August 3, 2011

Mr. Jeffrey Kimble
On-Scene Coordinator
Emergency Response Branch
U.S. Environmental Protection Agency, Region 5
9311 Groh Road
Grosse Ile, MI 48138

Subject: **Final Site Assessment Report**
Rockford Paperboard Site
Rockford, Kent County, Michigan
Technical Direction Document No. TO-01-11-05-0012
OTIE Contract No. EP-S5-10-10

Dear Mr. Kimble:

OTIE is submitting the enclosed Final Site Assessment Report for the Rockford Paperboard Site in Rockford, Michigan. If you have any questions or comments about the report or need additional copies, please contact me at (312) 220-7000 or Raghu Nagam at (312) 220-7005.

Sincerely,

Naren Babu
Project Manager

Enclosure

cc: Raghu Nagam, START Program Manager

SITE ASSESSMENT REPORT
ROCKFORD PAPERBOARD SITE
ROCKFORD, KENT COUNTY, MICHIGAN

Prepared for:

U.S. Environmental Protection Agency
Emergency Response Branch, Region 5
77 West Jackson Boulevard
Chicago, IL 60604

TDD No.:	TO-01-11-05-0012
Date Prepared:	August 3, 2011
Contract No.:	EP-S5-10-10
Prepared by:	OTIE
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1. INTRODUCTION

OTIE has prepared this Site Assessment Report in accordance with the requirements of U.S. Environmental Protection Agency (U.S. EPA) Technical Direction Document (TDD) No. TO-01-11-05-0012 under the Superfund Technical Assessment and Response Team (START) contract No. EP-S5-10-10. The scope of this TDD was to conduct a Site Assessment at the Rockford Paperboard facility in Rockford, Kent County, Michigan. START was tasked to prepare a site-specific Health and Safety Plan, field sampling and analysis plan, subcontract an analytical laboratory, collect drum, solid and asbestos samples, evaluate analytical data, document on-site conditions with written logbook notes and still photographs, and prepare this Site Assessment Report. Naren Babu was the START Project Manager and Elisa Walker assisted with the sampling activities on June 13, 2011.

This Site Assessment Report summarizes the site background; discusses the assessment activities; provides a summary of the analytical data; and discusses potential site-related threats. The Appendix for this report includes a photographic log of the Site (Appendix A) and the validated sample analytical results (Appendix B).

2. SITE BACKGROUND

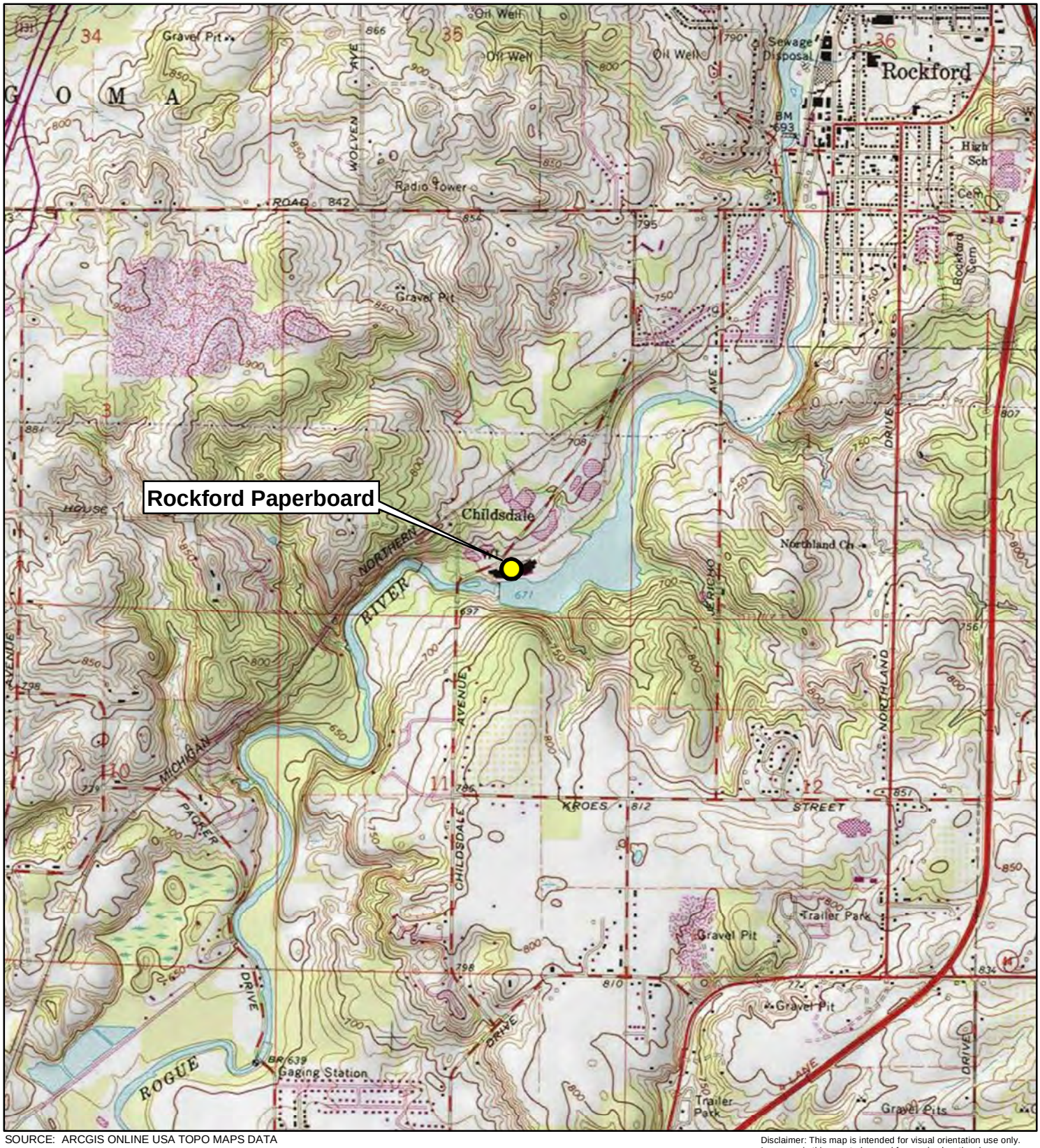
This section provides Site background information and the history of the Site.

2.1 Site Description

The Rockford Paperboard Site (Site) is located at 7700-7734 Childsdale in Rockford, Kent County, Michigan and is comprised of a vacant paper mill building with ancillary equipment, parking areas, lawn areas and wooded areas adjacent to the Rogue River. The geographical coordinates for the building are 43.102421 degrees latitude and -85.577036 degrees longitude (Figure 1 – Site Location Map). The Site occupies an approximate area of 17.58 acres in an industrial setting area and is surrounded by Childsdale Avenue to the northwest, a wooded area to the northeast, and Rogue River to the southeast and southwest.

2.2 Site History

The Rockford Paperboard company was originally developed as a saw mill in 1848. The saw mill was later abandoned and was purchased with an additional 200 acres of surrounding property by Henry Baxter Childs in 1866. The saw mill was modified and converted in to a paper mill in 1867. Several fires in 1868 and 1898 resulted in rebuilding the mill with fire proof concrete blocks. The paper mill commenced its operations in 1899 under the name Childsdale Strawboard Mills. By 1911, the company name had changed to the Childsdale Board & Paper Co. Following several periods of inactivity during the 1920's and 1930's, the mill was purchased by Mr. Herman Gumblin in approximately 1940 and was operated by the Rockford Paper Company for box/carton production using waste/recycled paper products until 2001. The current owner, Rockford Paperboard, Inc., purchased the Site in January 1999, but the Site has been vacant for several years. Both the shallow and deep aquifer at the site is contaminated with metals and chloride above PA 451, Part 201 Generic Residential Cleanup Criteria (GRCC) of the Michigan Department of Environmental Quality (MDEQ) (Redevelopment Cost Estimate, Dec, 2011). Asbestos containing material (ACM) also exists within the site building (Redevelopment Cost Estimate, Dec, 2011). The Michigan Department of Environmental Quality (MDEQ) referred the Site to U.S. EPA Region 5 Superfund Division to conduct a removal assessment because of oil and standing water in the former drying machine pits and the presence of various containers on the Site, including approximately 17 55-gallon plastic drums, approximately 60 55-gallon steel drums, six 30-gallon plastic drums, ten 225-gallon totes, 24 1-gallon pails, 25 5-gallon buckets, nine (9) boxes of dye, eight (8) bags of polyethylene glycol, and various aerosol cans. The property also includes a former coal storage area which may have resulted in an impact.



SOURCE: ARCGIS ONLINE USA TOPO MAPS DATA

Disclaimer: This map is intended for visual orientation use only. In no way is this map to be used for precise locational use.

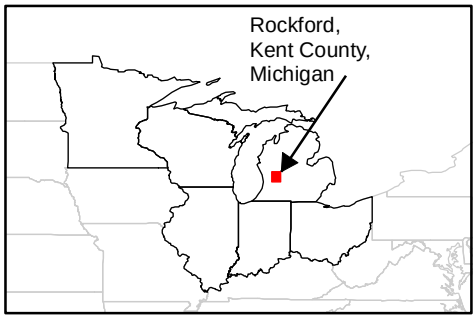
G:\GIS_Workspace\Rockford Paperboard\Figure 1.mxd

Legend

- Site Location

N

0 2,000 4,000 Feet



United States Environmental Protection Agency

ROCKFORD PAPERBOARD
ROCKFORD, KENT COUNTY, MICHIGAN
TDD No. TO-01-11-05-0012

FIGURE 1
SITE LOCATION MAP

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3. SITE ASSESSMENT ACTIVITIES

Site Assessment activities at the Rockford Paperboard Site, including site reconnaissance and sampling activities, are discussed below. U.S. EPA and START performed site assessment activities which included the collection of drum, surface soil and solid samples. MDEQ performed in-field screening of drum contents prior to sample collection.

A site-specific Sampling and Analysis Plan (SAP) was developed for the SA prior to fieldwork. The SAP described the data quality objectives (DQO), sampling strategy, sampling locations, sampling methodology, and analytical procedures used during the SA.

This section summarizes field investigation activities including site reconnaissance (subsection 3.1) and sampling activities (subsection 3.2). Table 1 presents a summary of the field screening results. Table 2 presents a summary of all samples collected and their associated locations. Photographic documentation is provided in Appendix A.

3.1 Site Reconnaissance

On June 13, 2011, U.S. EPA On-Scene Coordinators (OSC), Jeffrey Lippert and Jeffrey Kimble, U.S. EPA Environmental Scientist, Keith Lesniak, and OTIE START members Naren Babu and Elisa Walker mobilized on site and met MDEQ representative Jennifer Wolf and Rockford Paperboard representative Craig Linderman. Upon entering the building, Mr. Linderman noticed recent vandalism in the building and informed local police. A representative from the Kent County Sheriff's Department arrived on site and conducted a site walkthrough and collected fingerprints. U.S. EPA OSC Jeff Kimble conducted a Health and Safety meeting and discussed the SAP and proposed sampling activities.

Prior to conducting the site reconnaissance, START calibrated personal monitoring equipment-RAE Systems ToxiRAE plus Toxic Gas Monitor with a Hydrogen Cyanide (HCN) sensor and MultiRAE® Plus five-gas monitor. The ToxiRAE Plus is a single gas, personal protection monitor with a continuous toxic gas (HCN) concentration display. MultiRAE includes a photoionization detector that measures organic vapors, carbon monoxide (CO) sensor, hydrogen sulfide (H_2S) sensor, lower explosive limit (LEL) sensor, and oxygen (O_2) sensor.

U.S. EPA, START, State and Rockford representatives conducted site reconnaissance activities inside the building in Level "D" Personal Protective Equipment (PPE) in accordance with the approved site-specific

HASP. Air monitoring was conducted in the breathing zone throughout the site reconnaissance using a ToxiRAE Plus with HCN sensor and a MultiRAE® plus five-gas monitor.

There are several entrances to the building that were all securely locked. Graffiti was observed on the outside walls of the building. The western portion of the building was historically used for pulping, processing and machining of the paper products. The eastern 44,000 square feet of the facility was constructed more recently (Figure 2). The site reconnaissance began with an entry through the warehouse industrial door on the eastern side of the building. There was no electricity in the building and observations during the site reconnaissance indicated unsafe conditions with collapsed walls, holes (Photo #3) and openings in the floor and wall and open tank areas with caution tape around it. Once inside the warehouse, a large tote was observed. The site reconnaissance continued west from the warehouse and proceeded through the shipping and receiving Area to get to the storage area. There were four poly totes with the signage "NaOH" observed in the storage area (Photo #4). Chemical storage area is located to the west of the storage area, where 62 55-gallon drums were observed. Paperboard machine room is located to the north of the chemical storage area. Long trenches running in an east to west direction were observed in the paperboard machine room (Photo #5). These trenches had sludge material and less than an inch of standing oil/water on top of the sludge material. The chemical lab and maintenance area were located north of the paperboard machine room. Several containers with lab chemicals, including one 1-gallon poly can marked as "HCL" were observed in the lab. Inside the trench just south of the maintenance area a "Radiation Hazard" sign was observed (Photo #6). The site reconnaissance continued to the pulping area which is west of the chemical storage area. Large circular pulp tanks are located in the pulping area (Photo #7). A vast amount of dry pulp material was observed to be sticking to the roof and in the basement throughout the pulping area. The new and old boiler rooms are located west of the pulping area. Potential fallen asbestos containing material (ACM) was observed in the new boiler room. One of the staircases in the pulping area leading to the basement was not in working condition. Abandoned equipment, empty drums and buckets were observed throughout the building. A clarifier was located outside the building southwest of the boiler rooms. A former coal storage area is located directly west of and behind the boiler rooms, just north of the clarifier. Dark soil was observed in the former coal storage area. Graffiti on the walls and trash throughout the building confirmed that vandalism occurred inside the building (Photo #8).

An inventory conducted throughout the facility indicated that there were about 30 small containers, one cylinder, one tote of solvent, three pallets of CR-800 Titanium Dioxide (Manufactured by Kerr McGee), one pallet Polyvinyl Alcohol, one tote containing a mix of Cyclohexyamine [108-91-8] and NN Diethylsnolsmine [100-37-8]), 11 drums, two 1,000 gallon tanks, 10-300 gallon totes, and seven bags of

Polyethylene glycol 3350 granules present in the other areas of the building excluding the chemical storage area and the chemical lab.

3.2 Sampling Activities

After the site reconnaissance and container inventory, sampling activities were conducted. Samples were collected for on-site field screening and for off-site chemical analysis at a commercial laboratory. All drum samples were collected using dedicated glass drum thieves and directly transferred into lab-supplied clean sample jars.

3.2.1 Field Screening Tests

U.S. EPA collected samples from inside the building in Level "B" PPE for field screening tests. A total of five drum samples were collected for field screening with Ahura Scientific TruDefender and FirstDefender instruments. The TruDefender and FirstDefender instruments analyze the sample and compare its constituent chemicals and composition to a database of known products and identify likely products or chemical compositions. Drums were opened using a bung wrench. Samples for field screening were collected in dedicated 4-milliliter (mL) glass vials from drums RP-DRUM-01, RP-DRUM-02, RP-DRUM-03, RP-DRUM-04, and RP-DRUM-05. The MultiRAE and ToxiRAE with hydrogen cyanide sensor instruments were used throughout sampling activities for air monitoring. During drum opening and sampling, no breathing zone air monitoring readings above background were detected on either of the devices. The vials were screened outside the building by Ms.Wolf of MDEQ using FirstDefender and TruDefender instruments. pH test paper strips were used to obtain the pH values of the liquid drum samples. Results of the field screening tests are presented in Table 1.

TruDefender field screening identified RP-DRUM-01 sample as water and RP-DRUM-02 sample as CAS*; 110*-91-8/ UN*: 2084*/C4H9ON/Morpholine, which is used as an additive for pH adjustments in several industries. The FirstDefender field screening identified RP-DRUM-03 sample as a mixture of 5% Ethylene glycol, 3% Cyclohexylactylone, and 80% water and RP-DRUM-04 sample as a mixture *of 83*% Water, 6% Vanadium (V) oxyfluoride, and 2% N, N-Diglycidyl-4-glycidyloxy aniline. Sample RP-DRUM-05 did not have any match with the database listed products in either TruDefender or the FirstDefender field screening tests.

Table 1 Field Screening Results TruDefender and First Defender Analysis Rockford Paperboard Assessment Rockford, Michigan		
Drum	**TruDefender**	**FirstDefender**
RP-DRUM-01	Water	No Match
RP-DRUM-02	CAS:110-91-8/ UN:2084/C4H9ON	No Match
RP-DRUM-03	No Match	Ethylene glycol-5% Cyclohexylactylone-3% Water-80%
RP-DRUM-04	No Match	Water-83% Vanadium(V)oxyfluoride-6% N,N-Diglycidyl-4-glycidyloxy aniline-2%
RP-DRUM-05	No Match	No Match

Notes:

Drum- Identification name given for drum samples

No Match- The instruments could not identify the sample or it was identified by either the TruDefender or FirstDefender

MDEQ representative (J. Wolf) conducted the screening

TruDefender- Fourier Transform Infrared (FTIR) System used to analyze and identify unknown chemicals

FirstDefender- Thermo Scientific instrument for rapid, accurate identification of unknown chemicals in the field

Samples were collected on June 13, 2011 under START contract EP-S5-10-10.

3.2.2 Analytical Sampling

U.S. EPA and START evaluated the field screening results and selected potential drums and solid material for sampling and laboratory analysis. A total of four solid samples and seven liquid samples were collected. Solid sampling was conducted in Level "D" PPE and liquid sampling was conducted in level "B" PPE. Air monitoring was conducted using MultiRAE and ToxiRAE with HCN during sampling activities.

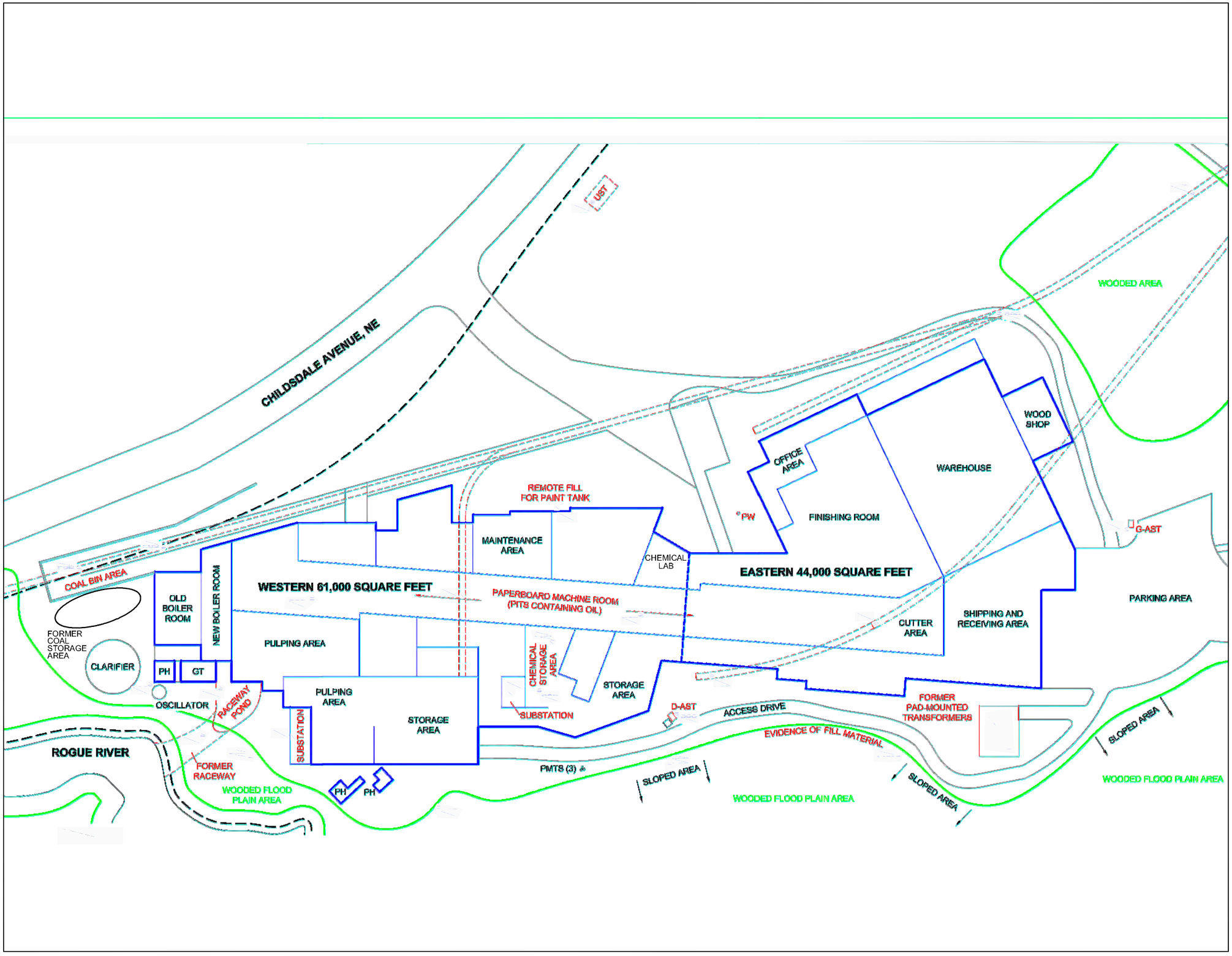
A sample of potential ACM, RP-AS-01, was collected from the basement level of the New Boiler Room (Photo #9). A five-point composite sample, RP-SOLID-01, was collected from the dark soil in the former coal storage area. Two solid samples, RP-SOLID-02 and RP-SOLID-03, were collected from the trenches located in the paperboard machine room. A solid sample, RP-SOLID-04, was collected from the dry pulp material present at the basement level of the pulping area and new boiler room (Photo #10). Sample locations, descriptions and laboratory analyses for the solid samples are summarized in Table 2.

Liquid samples were collected from RP-DRUM-01, RP-DRUM-02, RP-DRUM-03, RP-DRUM-04, RP-DRUM-05, RP-DRUM-06, and RP-DRUM-07. Samples RP-DRUM-01, -02, -03, -04, and -05 were collected from drums stored in the chemical storage area and RP-DRUM-06 was collected from the concentrated hydrochloric acid can in the lab. Prior to sampling, fumes were noted upon opening the cap of the acid can. During the collection of liquid sample RP-DRUM-07 in the warehouse, the MultiRAE peaked at 250 parts per million (ppm) for VOCs, 30ppm for CO and 10% for O2. A hissing noise was noted upon opening the bung of the tote, probably due to the contents inside the tote being under pressure. During all other sampling activities no readings above background were detected on the MultiRAE or ToxiRAE. Sample locations, descriptions and laboratory analyses for liquid samples are summarized in Table 2.

START prepared the sample jars with labels, completed the chain of custody and placed all samples on ice. START secured the samples inside a cooler for transportation. Samples were delivered to TestAmerica in University Park, IL on June 15, 2011.

Table 2 Sampling Summary Rockford Paperboard Site Assessment Rockford, Michigan		
Sample ID	**Sample Description**	**Laboratory Analyses**
RP-AS-01	Pieces of potential ACM in the basement level the new boiler room (Photo# 9)	Asbestos
RP-SOLID-01	Composite soil sample from the former coal storage area west of the old boiler room and north of the clarifier	Total &TCLP VOCs, Total &TCLP SVOCs, Total &TCLP MI 10 Metals
RP-SOLID-02	Sludge material collected from trench (possible rotten pulp) in the Paperboard Machine Room	Total &TCLP VOCs, Total &TCLP SVOCs, Total &TCLP MI 10 Metals, and PCBs
RP-SOLID-03	Dark sludge with purple color to it collected from trench in the Paperboard Machine Room	Total &TCLP VOCs, Total &TCLP SVOCs, Total &TCLP MI 10 Metals, and PCBs
RP-SOLID-04	Pieces of material in room in the basement level the new boiler room and west of the Pulping Area (Photo# 10)	Total &TCLP VOCs, Total &TCLP SVOCs, Total &TCLP MI 10 Metals
RP-DRUM-01	Liquid Sample from Drum #01 in drum/tank area	pH
RP-DRUM-02	Liquid Sample from Drum #02 in drum/tank area	pH, flashpoint
RP-DRUM-03	Liquid Sample from Drum #03 in drum/tank area	pH
RP-DRUM-04	Liquid Sample from Drum #04 in drum/tank area	pH, flashpoint
RP-DRUM-05	Liquid Sample from Drum #05 in drum/tank area	Total & TCLP VOCs, pH, flashpoint
RP-DRUM-06	Liquid Sample from poly can labeled HCL from the Chemical Lab	pH
RP-DRUM-07	Liquid Sample from poly tote in the Warehouse	Total VOCs, pH, and flashpoint

Notes:
VOCs - volatile organic compounds
SVOCs - semi-volatile organic compounds
TCLP - Toxic Characteristic Leaching Procedure
Sample ID- identification names given for samples
Samples were collected on June 13, 2011 under START contract EP-S5-10-10.Analyses were conducted by TestAmerica Laboratories, Inc. under TDD No: TO-01-11-05-0012



Legend

- PROPERTY BOUNDARY
- APPROXIMATE LIMITS OF WOODED AREA
- PH — PUMP HOUSE
- GT — GRIT TANK
- PMTS (3) — THREE CONSUMERS ENERGY POLE-MOUNTED ELECTRICAL TRANSFORMERS
- FORMER RAILROAD SPUR
- EXTRAPOLATED FORMER RAILROAD SPUR
- PW — POTABLE WELL IMPACTED WITH IRON AND CHLORIDE
- UST — APPROXIMATE FORMER UNDERGROUND STORAGE TANK AREA
- G-AST — APPROXIMATE FORMER GASOLINE ABOVEGROUND STORAGE TANK LOCATION
- D-AST — APPROXIMATE FORMER DIESEL ABOVEGROUND STORAGE TANK LOCATION

N

0 70 140

Feet

United States Environmental Protection Agency

ROCKFORD PAPERBOARD
ROCKFORD, KENT
COUNTY, MICHIGAN
TDD No. TO-01-11-05-0012

FIGURE 2
SITE FEATURE MAP

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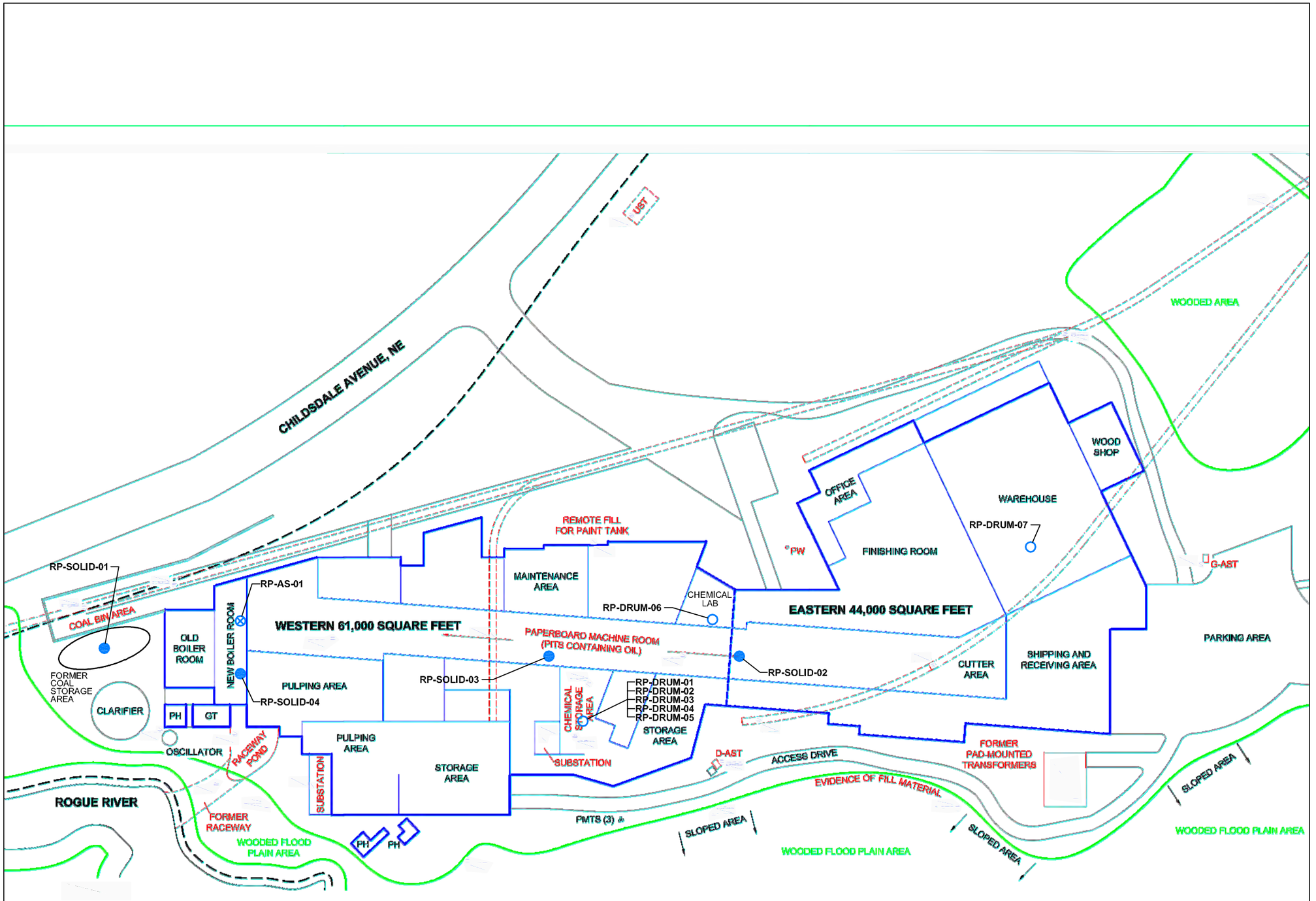
Basemap Source: Figure 1 - Property/Building Diagram, Project Number: 10-06-008B, 02/09/2011, Dixon Environmental Consulting, Inc.



Legend

- SAMPLE LOCATION - SOLID
- SAMPLE LOCATION - DRUM
- SAMPLE LOCATION - ASBESTOS

N

0 70 140

Feet

United States Environmental Protection Agency

ROCKFORD PAPERBOARD
ROCKFORD, KENT
COUNTY, MICHIGAN
TDD No. TO-01-11-05-0012

FIGURE 3
SAMPLE LOCATION MAP

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Basemap Source: Figure 1 - Property/Building Diagram, Project Number: 10-06-008B, 02/09/2011, Dixon Environmental Consulting, Inc.

4. SAMPLE ANALYTICAL RESULTS

START reviewed the sample analytical data and supporting quality assurance/quality control (QA/QC) data provided by TestAmerica Laboratories. The validated analytical data package is included in Appendix B. Based on START's data validation, the data are acceptable for use as qualified.

Analytical results of the drum samples that were above the method detection level are shown in Table 3. The results in the tables were compared against values listed in 40 Code of Federal Regulations (CFR) Section 261.22-261.24. Analytical results for the solid samples collected during the site assessment are shown in Table 4.

Sample RP-DRUM-01 result indicated a pH value of 13.7 standard units (SU), while sample RP-DRUM-07 had a pH value of 12.6 SU. These samples exceed the Hazardous Characterization criteria for corrosivity of >12.5 pH per 40 CFR Section 261.22 regulations. RP-DRUM-01 and RP-DRUM-07 are considered strong bases. pH results for RP-DRUM-02 through 06 were all between 2 and 12.5 SU and did not exceed the Hazardous Characterization Criteria for Corrosivity. The pH of the acid sample RP-DRUM-06, is reported as "non-detect" because the pH of the sample was lower (more acidic) than that the meter could accurately measure. RP-DRUM-06 is corrosive acid per 40 CFR Section 2621.22 regulations

Sample RP-DRUM-05 and RP-DRUM-07 had a flashpoint of 140 degrees Fahrenheit (ºF). Flashpoint results for drum samples RP-DRUM-02 and RP-DRUM-04 are both greater than 176 ºF. Liquids with flashpoints below 140 degrees are characterized as "ignitable" according to 40CFR section 261.21. In addition to this, drum sample RP-DRUM-07 indicated an acetone concentration of 200 mg/L.

Soil sample RP-SOLID-01, collected from the former coal storage area and Sludge samples RP-SOLID-02 and RP-SOLID-03, collected from the trenches in the paperboard machine room had several detected VOCs, SVOCs and metals but none of the TCLP results exceeded the 40 CFR Section 261.24 regulatory limits for defining hazardous characteristics. Analytical results did not indicate any **p**olychlorinated biphenyls (PCBs) were detected in the sludge samples.

The dry pulp sample, RP-SOLID-04 had several detected results for SVOCs and metals but none of the TCLP results exceeded the 40 CFR Section 261.24 regulatory limits for defining hazardous characteristics.

Table 3
Drum Sample Analytical Results
Rockford Paperboard Site Assessment
Rockford, Michigan

ANALYTE/ PARAMETER	40 CFR Section 261 Regulatory Limit [1]	RP-DRUM-01	RP-DRUM-02	RP-DRUM-03	RP-DRUM-04	RP-DRUM-05	RP-DRUM-06	RP-DRUM-07
pH (SU)	<2 or >12.5	**13.7 HF**	11.0 HF	12.3 HF	8.46 HF	11.8 HF	**<2**	**12.6 HF**
Flashpoint (°F)	<140	*NA*	>176	*NA*	>176	**140**	*NA*	**140**

ANALYTE/ PARAMETER	RP-DRUM-05	RP-DRUM-07
Total VOCs (mg/L)		
Acetone	0.14	220
Benzene	ND	0.068
Ethylbenzene	0.03	0.57
Isopropylbenzene	ND	0.37
Methyl tert-butyl ether	ND	0.17
Methylene Chloride	ND	0.66
N-Propylbenzene	0.0059 J	ND
1,2,3-Trichlorobenzene	0.011	ND
1,2,4-Trimethylbenzene	0.047	ND
1,3,5-Trimethylbenzene	0.015	ND
o-Xylene	0.1	ND

Notes:
[1] - Hazardous Waste Characterization Criteria according to 40 CFR Sections 261.21-261.24
SU - standard units
VOCs - volatile organic compounds
°F - degrees Fahrenheit
mg/L - milligrams per liter
HF- Field parameter with a holding time of 15 minutes
J - result less than the RL but greater than or equal to the MDL and the concentration is an approximate value
[2] - The pH of the sample, RP-DRUM-06, was lower (more acidic) than the meter could accurately measure and is reported as <2 SU.
NA - analyte not analyzed
ND - analyte not detected above the laboratory method detection limit
NL - Not listed
Only detected compounds are in tables
Samples were collected on June 13, 2011 under START contract EP-S5-10-10.
Analyses were conducted by TestAmerica Laboratories, Inc. under TDD No: TO-01-11-05-0012

Table 4
Analytical Results of Solid Samples
Rockford Paperboard Site Assessment
Rockford, Michigan

ANALYTE	RP-SOLID-01	RP-SOLID-02	RP-SOLID-03	RP-SOLID-04
Total VOCs (mg/Kg)				
Acetone	ND	ND	ND	0.056
Ethylbenzene	0.0094 J	ND	ND	ND
Toluene	0.034	ND	ND	ND
trans-1,2-Dichloroethene	0.16	ND	0.073	ND
Trichloroethene	0.025	ND	ND	ND
1,2,4-Trimethylbenzene	0.04 J	ND	ND	ND
Methylene Chloride	0.38	ND	ND	ND
m&p-Xylene	0.055	ND	ND	ND
o-Xylene	0.043	0.014 J	ND	ND
Total SVOCs (mg/Kg)				
Acenaphthylene	0.044	ND	ND	ND
Anthracene	0.12	ND	3.0 J	ND
Benzo[a]anthracene	0.36	ND	3.1 J	ND
Benzo[a]pyrene	0.29	ND	ND	ND
Benzo[b]fluoranthene	0.38	ND	ND	ND
Benzo[g,h,i]perylene	0.19	ND	ND	ND
Benzo[k]fluoranthene	0.16	ND	ND	ND
Bis(2-ethylhexyl) phthalate	0.089 J	24 J	ND	2.0
Butyl benzyl phthalate	ND	ND	ND	0.94
Carbazole	0.071 J	ND	ND	ND
Chrysene	0.40	ND	ND	ND
Dibenz(a,h)anthracene	0.057	ND	ND	ND
Dibenzofuran	0.25	ND	ND	ND
Fluoranthene	0.75	ND	4.3 J	0.15
Fluorene	0.060	ND	ND	ND
Indeno[1,2,3-cd]pyrene	0.13	ND	ND	ND
2-Methylnaphthalene	0.89	ND	ND	ND
Naphthalene	0.57	ND	ND	ND
N-Nitrosodiphenylamine	ND	ND	ND	0.19 J
Phenanthrene	0.75	ND	9.4	0.27
Pyrene	0.58	6.1 J	10	0.31

ANALYTE	Regulatory Action Level	RP-SOLID-01		RP-SOLID-02		RP-SOLID-03		RP-SOLID-04	
Metals		Total	TCLP	Total	TCLP	Total	TCLP	Total	TCLP
Arsenic	5.00	12	ND	9.9	0.018 J	9.6	ND	0.48 J	ND
Barium	100.00	48	0.25 J	360	0.12 J	200	0.075 J	36	0.5
Cadmium	1.00	0.25	ND	1.4	ND	2.2	0.0028 J	0.21 J	0.0055
Chromium	5.00	11 B	ND	27 B	ND	32 B	ND	15 B	0.052
Copper	NL	29	0.011 J B	250	0.07 B	280	0.14 B	82	0.71
Lead	5.00	43	0.0081 J	390	0.11	1600	0.32	15	0.04 J
Mercury	-	0.078	-	0.036	-	0.053		0.11	
Selenium	-	0.49 J	-	ND	-	0.52 J		0.39 J	
Silver	-	ND	-	0.33 J	-	0.43 J		0.13 J	
Zinc	NL	50	0.17	460	0.6	260	0.77	65	1

Notes:

VOCs - volatile organic compounds
SVOCs -semi-volatile organic compounds
mg/L- milligram per liters (TCLP)
mg/Kg - milligram per kilogram (Total)
J – result less than the RL but greater than or equal to the MDL and the concentration is an approximate value
NA- not analyzed
ND – analyte not detected above the laboratory method detection limit
TCLP - Toxic Characteristic Leaching Procedure
Only detected compounds are in tables
Regulatory Action Level is in compliance with 40 CFR Section 261.21-24 Regulatory Limit
Samples were collected on June 13, 2011 under START contract EP-S5-10-10.
Analyses were conducted by TestAmerica Laboratories, Inc. under TDD No: TO-01-11-05-0012

5. POTENTIAL SITE RELATED THREATS

Threats posed by the Site were evaluated in accordance with National Contingency Plan (NCP) criteria for initiating a removal action listed under Title 40 of the CFR, Section 300.415(b) (2). Paragraph (b) (2) of 40 CFR Section 300.415 lists factors to be considered when determining the appropriateness of a potential removal action at a Site. Potential site-related threats to human health and the environment were evaluated based on the criteria listed in 40 CFR, Sections 261.20 through 261.24. Factors that are applicable to the Site are discussed below.

Actual or potential exposure of nearby human populations, animals, or the food chain to hazardous substances or pollutants or contaminants

Drums, containers and totes with no secondary containment are located inside the Site building. In addition, one of the drum samples had a pH greater than 12.45 SUs, indicating corrosivity. The Site showed signs of trespassing and vandalism. Overall, the potential for exposure to potentially hazardous substances stored at the Site is high, especially considering that the on-site building is no longer occupied.

The presence of hazardous material poses a threat to nearby residents through direct exposure since the Site has signs of vandalism inside the building.

Actual or potential contamination of drinking water supplies or sensitive ecosystems

The Rogue River runs behind the Site. It is possible that the contents of drums, totes, or buckets can be introduced into the water by trespassers. Fire or explosion can also cause a release into the water.

Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers that may pose a threat of release

RP-DRUM-01 and RP-DRUM- have pH values of 13.7 and 12.6, respectively. Both samples are strong bases and exceed the Title 40 CFR Section 261.22 pH criteria of >12.5 for hazardous corrosive characterization. There are four poly totes in the storage area with sodium hydroxide labels, which is a strong base. Additionally, the poly can in the chemical lab contain concentrated hydrochloric acid. Vandalism could lead to tipping over of the drums and containers releasing the contents of the drum inside of the building. In case of fire, the material stored in drums inside the Site building could result in the release of toxic gases causing potential exposure to nearby residents. These drums pose a potential threat of release to the environment.

Threat of fire or explosion

RP-DRUM-05 and RP-DRUM-07 have a flashpoint of 140 ºF. Contents of both these drums are on the borderline to the limit that is considered ignitable according to 40 CFR 261. These drums and several other similar drums pose a high threat of fire or explosion based on the flammable nature of the drum contents, the unoccupied status of the building, and the evidence of trespassing and vandalism observed during the site assessment.

The availability of other appropriate federal or state response mechanisms to respond to the release

MDEQ requested the assistance of U.S. EPA Region 5 Emergency Response Branch to help evaluate and mitigate a possible threat posed by the Rockford Paperboard Site. This request was made to U.S. EPA since MDEQ does not have appropriate state response mechanisms or resources to respond.

6. SUMMARY

On June 13, 2011, U.S. EPA, MDEQ and START conducted site assessment activities at the Rockford Paperboard Site in Rockford, Michigan. Field screening tests were conducted to analyze several drums found in the building prior to sampling activities. During sampling activities, liquid drum and sludge trench and solid samples were collected and submitted for pH, flashpoint, total VOCs and SVOCs, total metals, and TCLP metals analyses.

Sample analytical results were evaluated against the criteria of characteristics of hazardous waste (40 CFR, Sections 261.20 through 261.24). Drums and totes containing highly basic compounds, acidic compounds and ignitable materials were observed in the Site building and pose a threat of release. Clear signs of trespassing and vandalism are also present inside and outside the Site building. Thus, conditions exist at the site that support a removal action be conducted to abate threats to human health and the environment.

7. REFERENCES

1. Dixon Environmental Consulting, Inc., 2011. Redevelopment Cost Estimate for Rockford Paperboard, Inc. Property

APPENDIX A

PHOTOGRAPHIC LOG

(6 Pages)

Photograph No.: 1 **Photographer:** Naren Babu **Orientation:** Looking East
TDD Number: TO-01-11-05-0012 **Contract:** EP-S5-10-10, OTIE **Date:** June 13, 2011
Site Name & Location: Rockford Paperboard Site, Rockford, Michigan.
Subject: Front view of the facility.

Photograph No.: 2 **Photographer:** Naren Babu **Orientation:** Looking South
TDD Number: TO-01-11-05-0012 **Contract:** EP-S5-10-10, OTIE **Date:** June 13, 2011
Site Name & Location: Rockford Paperboard Site, Rockford, Michigan.
Subject: View of the fence on the west side of the building.

Photograph No.: 3 **Photographer:** Naren Babu **Orientation:** Looking Down
TDD Number: TO-01-11-05-0012 **Contract:** EP-S5-10-10, OTIE **Date:** June 13, 2011
Site Name & Location: Rockford Paperboard Site, Rockford, Michigan.
Subject: View of holes in facility floor.

Photograph No.: 4 **Photographer:** Naren Babu **Orientation:** Looking Down
TDD Number: TO-01-11-05-0012 **Contract:** EP-S5-10-10, OTIE **Date:** June 13, 2011
Site Name & Location: Rockford Paperboard Site, Rockford, Michigan.
Subject: View of Sodium Hydroxide (NaOH) tote in the Storage Area.

Photograph No.: 5 **Photographer:** Naren Babu **Orientation:** Looking Down
TDD Number: TO-01-11-05-0012 **Contract:** EP-S5-10-10, OTIE **Date:** June 13, 2011
Site Name & Location: Rockford Paperboard Site, Rockford, Michigan.
Subject: View of the trench inside the Paperboard Machine Room

Photograph No.: 6 **Photographer:** Naren Babu **Orientation:** Looking Down
TDD Number: TO-01-11-05-0012 **Contract:** EP-S5-10-10, OTIE **Date:** June 13, 2011
Site Name & Location: Rockford Paperboard Site, Rockford, Michigan.
Subject: View of equipment in trench and “Radiation Hazard” sign.

Photograph No.: 7 **Photographer:** Elisa Walker **Orientation:** Looking West
TDD Number: TO-01-11-05-0012 **Contract:** EP-S5-10-10, OTIE **Date:** June 13, 2011
Site Name & Location: Rockford Paperboard Site, Rockford, Michigan.
Subject: Outside and inside View of pulp tank.

Photograph No.: 8 **Photographer:** Naren Babu **Orientation:** Looking West
TDD Number: TO-01-11-05-0012 **Contract:** EP-S5-10-10, OTIE **Date:** June 13, 2011
Site Name & Location: Rockford Paperboard Site, Rockford, Michigan.
Subject: View of graffiti inside the site building.

Photograph No.: 9 **Photographer:** Elisa Walker **Orientation:** Looking North
TDD Number: TO-01-11-05-0012 **Contract:** EP-S5-10-10, OTIE **Date:** June 13, 2011
Site Name & Location: Rockford Paperboard Site, Rockford, Michigan.
Subject: View of area where suspected ACM sample, RP-AS-01, was collected from the New boiler room.

Photograph No.: 10 **Photographer:** Naren Babu **Orientation:** Looking Down
TDD Number: TO-01-11-05-0012 **Contract:** EP-S5-10-10, OTIE **Date:** June 13, 2011
Site Name & Location: Rockford Paperboard Site, Rockford, Michigan.
Subject: View of dry pulp material collected from the basement level of the New boiler room and west of the pulping area for sample, RP-SOLID-04.

Photograph No.: 11 **Photographer:** Naren Babu **Orientation:** Looking Southwest
TDD Number: TO-01-11-05-0012 **Contract:** EP-S5-10-10, OTIE **Date:** June 13, 2011
Site Name & Location: Rockford Paperboard Site, Rockford, Michigan.
Subject: View of the Rogue River behind the building.

Photograph No.: 12 **Photographer:** Naren Babu **Orientation:** Looking North
TDD Number: TO-01-11-05-0012 **Contract:** EP-S5-10-10, OTIE **Date:** June 13, 2011
Site Name & Location: Rockford Paperboard Site, Rockford, Michigan.
Subject: View of the graffiti outside the building.

APPENDIX B

VALIDATED LABORATORY ANALYTICAL RESULTS

(81 Pages)

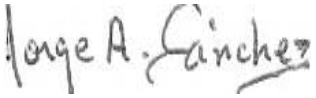
Oneida Total Integrated Enterprises
100 W Monroe Street, Suite 300 ● Chicago, IL 60607 ● (312) 220-7000 ● (312) 220-7004 (Fax)

MEMORANDUM

Date: July 15, 2011

To: Naren Babu, Project Manager, OTIE
Superfund Technical Assessment and Response Team (START) for Region 5

Prepared by: Jorge A. Sanchez, Senior Project Chemist/Project Manager



QA/QC Concurrence by: Keely Meadows, START Senior Engineer

Subject: Data Validation
Rockford Package
Rockford, MI

Laboratory: TestAmerica, Chicago, IL.
Laboratory Certification ID#: 100201

Lab SDG# 500-35461-1: Analyses of six (6) solid/aqueous samples for total and TCLP volatile organic compounds (VOCs). Five (5) solid/aqueous samples for total and TCLP semi volatile compounds (SVOCs). Four (4) solid samples for total and TCLP metals/mercury. Two (2) solid samples for polychlorinated biphenyls (PCBs). Seven (7) aqueous samples for pH. Four (4) aqueous samples for flashpoint. Four (4) solid samples for percent moisture and percent solids.

Laboratory: EMLab P&K, Cherry Hill, NJ.
Laboratory ID: 795827

Lab Project# 50005626, Lab ID-version ID# 3524674-1: Analyses of one (1) multicolored semi-fibrous material sample for asbestos.

1.0 INTRODUCTION

START validated six (6) solid/aqueous samples for total and TCLP volatile organic compounds (VOCs), five (5) solid/aqueous samples for total and TCLP semi volatiles compounds (SVOCs), four (4) solid sample for total and TCLP metals/mercury analyses, two (2) solid samples for polychlorinated biphenyls (PCBs), seven (7) aqueous samples for pH, four (4) aqueous samples for flashpoint and four (4) solid samples for percent moisture and percent solids. A sample was submitted to EMLab P&K in Cherry Hill, NJ for asbestos. All samples were collected on June 13, 2011.

Laboratory data were validated using guidelines set forth in the U.S. EPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (EPA540/R-99/008, October 1999), U.S. EPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (EPA 540/R-

94/013, February, 1994), and applicable methodologies. The purpose of the chemical data quality evaluation process is to assess the usability of data for the project decision-making process.

Organic data validation consisted of a review of the following QC audits:

- Chain of custody and sample receipt forms review
- Sample preservation and holding time
- Blank results
- Surrogate recoveries
- Internal Standards areas and retention times
- Laboratory Control Sample (LCS) recovery results

Inorganic data validation consisted of a review of the following QC audits:

- Chain of custody and sample receipt forms review
- Sample preservation and holding time
- Blank results
- Laboratory Control Sample (LCS) recovery results

Section 2.0 of this memorandum discusses the results of organic data validation. Section 3.0 of this memorandum discusses the results of inorganic data validation. Section 4.0 presents an overall assessment of the data. The attachment to this memorandum contains the laboratory reporting forms as well as START's handwritten data qualifications where warranted. "Q" qualifiers will replace the following laboratory qualifiers in this report: asterisk (*), carrot top (^), X, and P.

2.0 ORGANIC DATA VALIDATION RESULTS

The Results of START's organic data validation are summarized below by QC audit review. After the START project staff received the data packages, they were inventoried for completeness and then reviewed according to matrix-specific protocols and data quality objectives established for the project.

2.1 TOTAL AND TCLP VOLATILE ORGANIC COMPOUNDS (VOCs) SAMPLES by GC/MS METHOD 8260B (Lab SDG# 500-35461-1).

2.1.1 SAMPLE HANDLING

Chain of custody documentation and sample receipt forms were reviewed to ensure requested analyses were performed and that samples arrived at the laboratory intact. All samples were received with no discrepancies noted by the lab.

2.1.2 SAMPLE PRESERVATION AND HOLDING TIME

Solid and aqueous samples were analyzed within holding time criteria. No discrepancies were noted.

2.1.3 BLANK RESULTS

The purpose of laboratory (or field) blank analysis is to determine the existence and magnitude of contamination resulting from laboratory (or field) activities. Laboratory method blank samples (MB-500-

116824/4, LB3-500-116812/1-A, MB-500-117160/7, MB-500-117161/7, LB-500-117051/1-A, MB-500-117181/4, and MB-500-117281/8) were run with this SDG.

No method blank detects were noted.

2.1.4 SURROGATE STANDARD RECOVERY

Laboratory performance on individual samples is established by means of fortifying each sample with surrogate compounds (System Monitoring Compounds). Surrogate spike compounds included dibromofluoromethane, 1,2-dichloroethane-d4, toluene-d8 and 4-bromofluorobenzene.

Surrogate recoveries for the following samples were outside control limits: RP-Drum-05 (500-35461-9), RP-Drum-07 (500-35461-11). Evidence of matrix interference is present (pH=11). The samples were reanalyzed with similar results. It has been found that a basic sample interfered with surrogate recoveries.

Discrepancies were noted.

2.1.5 INTERNAL STANDARD AREAS AND RETENTION TIMES

Internal standard areas and retention times were within QC limits. Internal standards used for this batch are: pentafluorobenzene, 1, 4-difluorobenzene, chlorobenzene-d5 and 1, 4-dichlorobenzene-d4.

No discrepancies were noted.

2.1.6 MS/MSD RECOVERY RESULTS

Data for MS/MSDs are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis.

However, MS/MSD was not run on this SDG due to the nature of the waste stream samples.

2.1.7 LCS/LCSD RECOVERY RESULTS

Data for the LCS/LCSD is generated to provide information on the accuracy of the analytical method and on the laboratory performance. The LCS is fortified with the full list of VOCs and analyzed with each batch of samples. The LCS accuracy performance is measured by Percent Recovery (%R). Laboratory control samples (LCS-500-116824/5, LCS-500-117161/5, LCS-500-117181/5 and LCS-500-11728/5) were run with this SDG. No deficiencies were noted.

Deficiencies were noted for the solid matrix laboratory control sample (LCS) for batch 117160. Dichlorodifluoromethane and 1,2,3-Trichlorobenzene were outside the in-house generated QC limits. Samples associated with this batch number 117160 were “Q” flagged due to the out of control QC sample. Sample numbers 500-35461-2, 500-35461-3 and 500-35461-4 were not affected by these deficiencies due to no hits reported for the out of control compounds.

2.1.8 GENERAL LABORATORY OBSERVATIONS

No additional laboratory observations were noted for VOC analysis of air.

2.2 TOTAL AND TCLP SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) SAMPLES by GC/MS METHOD 8270C (Lab SDG# 500-35461-1).

2.2.1 SAMPLE HANDLING

Chain of custody documentation and sample receipt forms were reviewed to ensure requested analyses were performed and that samples arrived at the laboratory intact. All samples were received with no discrepancies noted by the lab.

2.2.2 SAMPLE PRESERVATION AND HOLDING TIME

Solid and aqueous samples were analyzed within holding time criteria. No discrepancies were noted.

2.2.3 BLANK RESULTS

The purpose of laboratory (or field) blank analysis is to determine the existence and magnitude of contamination resulting from laboratory (or field) activities. Laboratory method blank samples MB-500-116744/1-A, MB-500-116969/1-A, LB-500-116867/1-D, LB2-500-116869/1-D, MB-500-116993/1-A and LB3-500-116807/1-E were analyzed for this SDG.

No method blank detects were noted.

2.2.4 SURROGATE STANDARD RECOVERY

Laboratory performance on individual samples is established by means of fortifying each sample with surrogate compounds (System Monitoring Compounds). Surrogate spike compounds included 2-fluorophenol, phenol-d5, Nitrobenzene-d5, 2-fluorobiphenyl, 2,4,6-tribromophenol and terphenyl-d14.

The following discrepancies were noted; surrogate recovery for 2-fluorophenol in the following sample was biased low 17% (20%-100%): RP-Solid-04 (500-35461-12). All recoveries were within limits.

In addition, due to the level of dilution required for the following samples, surrogate recoveries were not reported: RP-Drum-07 (500-35461-11), RP-Solid-02 (500-35461-3), RP-Solid-03 (500-35461-4).

No further action was taken due to the out of control parameters.

2.2.5 INTERNAL STANDARD AREAS AND RETENTION TIMES

Internal standard areas and retention times were within QC limits. Internal standards used for this batch are: 1,4-dichlorobenzene-d4, naphthalene-d8, acenaphthene-d10, phenanthrene-d10, chrysene-d12 and perylene-d12.

The internal standard (STD40-500-115121/9) retention times for samples and CCV's were outside the +/- 0.5 minutes of acceptance from the mid-point of the initial calibration. The samples and CCV's were within +/- 0.5 minutes from the daily calibration verification. No corrective action was required per TAL Chicago SOP.

The internal standard response was outside of acceptance limits for the following sample: RP-Solid-04 (500-35461-12). The sample shows evidence of matrix interference. No further action was taken.

Discrepancies were noted.

2.2.6 MS/MSD RECOVERY RESULTS

Data for MS/MSDs are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis.

However, MS/MSD was not run on this SDG due to the nature of the waste stream samples.

2.2.7 LCS/LCSD RECOVERY RESULTS

Data for the LCS/LCSD is generated to provide information on the accuracy of the analytical method and on the laboratory performance. The LCS is fortified with the full list of SVOCs and analyzed with each batch of samples. The LCS accuracy performance is measured by Percent Recovery (%R). An LCS (LCS-500-116744/2-A) was run with batch number 116744. An LCS/LSCD (LCS-500-116969/2-A/LCSD-500-116969/3-A) was run with batch number 116969. An LCS (LCS-500-116993/2-A) was run with batch number 116993.

The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 116969 exceeded control limits (20%) for the following analytes: benzoic acid at 108%; pentachlorophenol at 25%; and benzo[k]fluoranthene at 23%. All recoveries were within limits. No further action was taken.

No deficiencies were noted for batch numbers 116744 and 116993.

2.2.8 GENERAL LABORATORY OBSERVATIONS

The following samples were diluted due to the abundance of non-target analytes: RP-Drum-07 (500-35461-11), RP-Solid-02 (500-35461-3) and RP-Solid-03 (500-35461-4). Elevated reporting limits (RLs) were provided. All diluted samples were "D" flagged by the laboratory.

The ICV (Mix1) analyzed on instrument number MS20 on (06/01/11 at 17:11 hours) had benzoic acid at 28%, high. The ICV (Mix2) analyzed on instrument number MS21 on (06/14/11 at 19:02 hours) had pyridine at 49.1%, high. The CCV's were in control for these analytes. All affected samples were "Q" flagged for out of quality control criteria.

2.3 POLYCHLORINATED BYPHENYLS (PCBS) BY GAS CHROMATOGRAPHY (GC) BY METHOD 8082 (Lab SDG# 500-35461-1)

2.3.1 SAMPLE HANDLING

Chain of custody documentation and sample receipt forms were reviewed to ensure requested analyses were performed and that samples arrived at the laboratory intact. An additional sample was received that was not indicated on the COC. The laboratory added the sample to the COC and confirmed with the

client which analyses were to be analyzed. The laboratory was subsequently provided an additional COC via email from the client.

All samples were received with no discrepancies noted by the lab.

2.3.2 SAMPLE PRESERVATION AND HOLDING TIME

All samples were analyzed within holding time criteria. No discrepancies were noted.

2.3.3 BLANK RESULTS

The purpose of laboratory (or field) blank analysis is to determine the existence and magnitude of contamination resulting from laboratory (or field) activities. A laboratory method blank sample, MB-500-116749/1-A, was run with batch number 116749.

No method blank detects were noted.

2.3.4 SURROGATE STANDARD RECOVERY

Laboratory performance on individual samples is established by means of fortifying each sample with surrogate compounds (System Monitoring Compounds). Surrogate spike compounds included tetrachloro-m-xylene and DCB decachlorobiphenyl.

Surrogate recovery for the following samples exceeded control limits: RP-Solid-02 (500-35461-3), RP-Solid-03 (500-35461-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis were not performed. The affected samples were "Q" flagged due to the out of quality control parameter.

No other discrepancies were noted.

2.3.5 MS/MSD RECOVERY RESULTS

Data for MS/MSDs are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis.

However, MS/MSD was not run on this SDG due to the nature of the waste stream samples.

2.3.6 LCS/LCSD RECOVERY RESULTS

Data for the LCS/LCSD is generated to provide information on the accuracy of the analytical method and on the laboratory performance. The LCS is fortified with the full list of PCBs and analyzed with each batch of samples. The LCS accuracy performance is measured by Percent Recovery (%R). An LCS (LCS-500-116749/3-A) was run with for batch number 116749.

No other discrepancies were noted.

2.3.7 GENERAL LABORATORY OBSERVATIONS

The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one of more compounds in the CCV fail to meet acceptance criteria, the data may be reported if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15%D. The following compounds are affected: AR1260.

The following samples required a mercury clean-up to reduce matrix interferences caused by sulfur: RP-Solid-02 (500-35461-3) and RP-Solid-03 (500-35461-4).

The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported. The laboratory "P" flagged the affected samples due to the out of quality control parameter.

3.0 INORGANIC DATA VALIDATION RESULTS

The Results of START's inorganic data validation are summarized below by QC audit review. After the START project staff received the data packages, they were inventoried for completeness and then reviewed according to matrix-specific protocols and data quality objectives established for the project.

3.1 TOTAL AND TCLP METALS BY METHOD 6010B AND TOTAL AND TCLP MERCURY BY 7470A.

3.1.1 SAMPLE HANDLING

Chain of custody documentation and sample receipt forms were reviewed to ensure requested analyses were performed and that samples arrived at the laboratory intact. Soil samples were received with no discrepancies noted by the lab.

3.1.2 SAMPLE PRESERVATION AND HOLDING TIME

Samples were analyzed within the holding time criteria. No discrepancies were noted.

3.1.3 BLANK RESULTS

The purpose of laboratory (or field) blank analysis is to determine the existence and magnitude of contamination resulting from laboratory (or field) activities. Laboratory method blank samples for TCLP mercury analyses, LB-500-116867/1-B, LB2-500-116869/1-B, MB-500-116975/7-A were run with batch number 116975. A laboratory method blank sample for TCLP metals LB2-500-116869/1-C was run with batch number 116990. A laboratory method blank sample for Total mercury, MB-500-116821/7-A was run with batch number 116821.

The following method blank samples deficiencies were noted: The laboratory method blank sample for Total metals analyses, MB-500-116743/1-A detected chromium at 0.223 mg/Kg above the MDL of 0.085 mg/Kg and below the RL of 1.0 mg/Kg. The laboratory "J" flagged the estimated quantitation. The laboratory method blank for TCLP metal analyses, LB-500-116867/1-C detected copper at 0.0141 mg/L above the MDL of 0.010 mg/L and below the RL of 0.025 mg/L. The laboratory "J" flagged the estimated quantitation. All affected samples (500-35461-2, 500-35461-3, 500-35461-4 and 500-35461-12) were "B" flagged due to the compounds found in the method blank samples.

3.1.4 LCS/LCSD RECOVERY RESULTS

Data for the LCS/LCSD is generated to provide information on the accuracy of the analytical method and on the laboratory performance. The LCS is fortified with the full list of metals and analyzed with each batch of samples. The LCS accuracy performance is measured by Percent Recovery (%R). A LCS for TCLP metals (LCS-500-116743/2-A) was analyzed for batch number 116743. A LCS for TCLP mercury (LCS-500-116975/8-A) was analyzed for batch number 116975. A LCS for Total metals (LCS-500-116990/3A) was analyzed for batch number 116990. A LCS for Total mercury (LCS-500-116821/8-A) was analyzed for batch number 116821.

No other discrepancies were noted.

3.1.5 DULPICATE RESULTS

Duplicate analyses were not performed on laboratory SDG number 500-35461-1 due to the nature of the waste sample stream.

No deficiencies were noted.

3.2 GENERAL CHEMISTRY. FLASHPOINT BY METHOD 1010, pH by method 9040B AND ASBESTOS PLM BY EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

3.2.1 SAMPLE HANDLING

Chain of custody documentation and sample receipt forms were reviewed to ensure requested analyses were performed and that samples arrived at the laboratory intact. Soil samples were received with no discrepancies noted by the lab.

3.2.2 SAMPLE PRESERVATION AND HOLDING TIME

Samples were analyzed within the holding time criteria. No discrepancies were noted.

3.2.3 BLANK RESULTS

Due to the methodologies, method blanks were not associated with the general chemistry package.

3.2.4 DULPICATE RESULTS

Duplicate analyses were performed on laboratory SDG number 500-35461-1 due to the nature of the waste sample stream. Data for the duplicate samples were generated to provide information on the accuracy of the analytical method and on the laboratory performance. The duplicate sample accuracy performance is measured by Relative Percent Difference (%RPD).

The following duplicate samples were associated with the general chemistry analyses for pH: 500-35461-5, 500-35461-6, 500-35461-7, 500-35461-8, 500-35461-9, 500-35461-10 and 500-35461-11.

The following duplicate samples were associated with the general chemistry analyses for flashpoint: 500-35461-9 and 500-35461-11.

The %RPDs were all under quality control limits. No deficiencies were noted.

3.2.5 ASBESTOS PLM

This method was subcontracted to P&K Microbiology. The subcontract certification is different from those listed on the TestAmerica cover page of this final report.

No deficiencies were noted.

4.0 OVERALL ASSESSMENT OF DATA

The analytical results meet the data quality objectives defined by the applicable method and validation guidance documentation. The analytical data is usable and acceptable as reported by the laboratory.

A copy of the data reporting qualifiers for GC/MS VOA, GC/MS Semi VOA, GC Semi VOA, metals, and general chemistry is provided along with the signed Form Is (Forms IA and IB).

ATTACHMENTS

DATA REPORTING QUALIFIERS

SUMMARY OF ANALYTICAL RESULTS

CHAIN-OF-CUSTODY

ATTACHMENT

DATA REPORTING QUALIFIERS

DATA REPORTING QUALIFIERS

Client: Oneida Total Integrated Enterprises LLC Job Number: 500-35461-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates the analyte was analyzed for but not detected.
	* Q	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X Q	Surrogate is outside control limits
GC/MS Semi VOA		
	^ Q	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	* Q	RPD of the LCS and LCSD exceeds the control limits
	X Q	Surrogate is outside control limits
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
GC Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X Q	Surrogate is outside control limits
	p Q	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

DATA REPORTING QUALIFIERS

Client: Oneida Total Integrated Enterprises LLC

Job Number: 500-35461-1

Lab Section	Qualifier	Description
Metals		
	B	Compound was found in the blank and sample.
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes
	U	Indicates the analyte was analyzed for but not detected.

ATTACHMENT

SUMMARY OF ANALYTICAL RESULTS

Method 8260B

Volatile Organic Compounds (GC/MS) by Method 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-01 | Lab Sample ID: 500-35461-2

Matrix: Solid | Lab File ID: 35461-02A.D

Analysis Method: 8260B | Date Collected: 06/13/2011 12:10

Sample wt/vol: 5(g) | Date Analyzed: 06/21/2011 23:38

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 50

Soil Extract Vol.: 5(mL) | GC Column: DB624 ID: 0.2(mm)

% Moisture: 7.5 | Level: (low/med) Medium

Analysis Batch No.: 117160 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.11	U * G	0.11	0.039
74-87-3	Chloromethane	0.11	U	0.11	0.024
75-01-4	Vinyl chloride	0.014	U	0.014	0.0044
74-83-9	Bromomethane	0.11	U	0.11	0.036
75-00-3	Chloroethane	0.11	U	0.11	0.032
75-69-4	Trichlorofluoromethane	0.11	U	0.11	0.020
75-35-4	1,1-Dichloroethene	0.054	U	0.054	0.016
75-15-0	Carbon disulfide	0.27	U	0.27	0.021
67-64-1	Acetone	0.27	U	0.27	0.13
75-09-2	Methylene Chloride	0.38		0.27	0.032
156-60-5	trans-1,2-Dichloroethene	0.16		0.054	0.019
1634-04-4	Methyl tert-butyl ether	0.11	U	0.11	0.016
75-34-3	1,1-Dichloroethane	0.054	U	0.054	0.010
594-20-7	2,2-Dichloropropane	0.054	U	0.054	0.013
156-59-2	cis-1,2-Dichloroethene	0.054	U	0.054	0.016
78-93-3	2-Butanone (MEK)	0.27	U	0.27	0.10
74-97-5	Bromochloromethane	0.11	U	0.11	0.045
67-66-3	Chloroform	0.054	U	0.054	0.0079
71-55-6	1,1,1-Trichloroethane	0.054	U	0.054	0.016
563-58-6	1,1-Dichloropropene	0.054	U	0.054	0.015
56-23-5	Carbon tetrachloride	0.054	U	0.054	0.024
71-43-2	Benzene	0.014	U	0.014	0.0060
107-06-2	1,2-Dichloroethane	0.054	U	0.054	0.013
79-01-6	Trichloroethene	0.025		0.014	0.0053
78-87-5	1,2-Dichloropropane	0.054	U	0.054	0.017
74-95-3	Dibromomethane	0.11	U	0.11	0.043
75-27-4	Bromodichloromethane	0.11	U	0.11	0.021
10061-01-5	cis-1,3-Dichloropropene	0.054	U	0.054	0.0089
108-10-1	4-Methyl-2-pentanone (MIBK)	0.27	U	0.27	0.059
108-88-3	Toluene	0.034		0.014	0.0043
10061-02-6	trans-1,3-Dichloropropene	0.054	U	0.054	0.019
79-00-5	1,1,2-Trichloroethane	0.054	U	0.054	0.024
127-18-4	Tetrachloroethene	0.054	U	0.054	0.015
142-28-9	1,3-Dichloropropane	0.054	U	0.054	0.015
591-78-6	2-Hexanone	0.27	U	0.27	0.051
124-48-1	Dibromochloromethane	0.11	U	0.11	0.022

JPS 7/19/11

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-01 Lab Sample ID: 500-35461-2

Matrix: Solid Lab File ID: 35461-02A.D

Analysis Method: 8260B Date Collected: 06/13/2011 12:10

Sample wt/vol: 5(g) Date Analyzed: 06/21/2011 23:38

Soil Aliquot Vol: 5 (mL) Dilution Factor: 50

Soil Extract Vol.: 5(mL) GC Column: DB624 ID: 0.2(mm)

% Moisture: 7.5 Level: (low/med) Medium

Analysis Batch No.: 117160 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.11	U	0.11	0.037
108-90-7	Chlorobenzene	0.054	U	0.054	0.012
630-20-6	1,1,1,2-Tetrachloroethane	0.11	U	0.11	0.012
100-41-4	Ethylbenzene	0.0094	J	0.014	0.0053
179601-23-1	m&p-Xylene	0.055		0.027	0.012
95-47-6	o-Xylene	0.043		0.014	0.0027
100-42-5	Styrene	0.054	U	0.054	0.017
75-25-2	Bromoform	0.11	U	0.11	0.028
98-82-8	Isopropylbenzene	0.11	U	0.11	0.018
108-86-1	Bromobenzene	0.11	U	0.11	0.017
79-34-5	1,1,2,2-Tetrachloroethane	0.054	U	0.054	0.017
96-18-4	1,2,3-Trichloropropane	0.11	U	0.11	0.036
103-65-1	N-Propylbenzene	0.11	U	0.11	0.011
95-49-8	2-Chlorotoluene	0.054	U	0.054	0.012
108-67-8	1,3,5-Trimethylbenzene	0.11	U	0.11	0.016
106-43-4	4-Chlorotoluene	0.054	U	0.054	0.010
98-06-6	tert-Butylbenzene	0.054	U	0.054	0.013
95-63-6	1,2,4-Trimethylbenzene	0.040	J	0.11	0.014
135-98-8	sec-Butylbenzene	0.054	U	0.054	0.011
99-87-6	p-Isopropyltoluene	0.11	U	0.11	0.016
104-51-8	n-Butylbenzene	0.054	U	0.054	0.010
96-12-8	1,2-Dibromo-3-Chloropropane	0.11	U	0.11	0.032
87-61-6	1,2,3-Trichlorobenzene	0.11	U * Q	0.11	0.040

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-124
2037-26-5	Toluene-d8 (Surr)	105		80-121
460-00-4	4-Bromofluorobenzene (Surr)	92		77-112
1868-53-7	Dibromofluoromethane	100		78-119

YBJ 7/19/11

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-01 | Lab Sample ID: 500-35461-2

Matrix: Solid (TCLP) | Lab File ID: 35461-02.D

Analysis Method: 8260B | Date Collected: 06/13/2011 12:10

Sample wt/vol: 5(mL) | Date Analyzed: 06/21/2011 21:16

Soil Aliquot Vol: | Dilution Factor: 20

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117161 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.020	U	0.020	0.010
56-23-5	Carbon tetrachloride	0.020	U	0.020	0.010
108-90-7	Chlorobenzene	0.020	U	0.020	0.010
67-66-3	Chloroform	0.020	U	0.020	0.010
107-06-2	1,2-Dichloroethane	0.020	U	0.020	0.010
75-35-4	1,1-Dichloroethene	0.020	U	0.020	0.010
78-93-3	2-Butanone (MEK)	0.10	U	0.10	0.050
127-18-4	Tetrachloroethene	0.020	U	0.020	0.010
79-01-6	Trichloroethene	0.020	U	0.020	0.010
75-01-4	Vinyl chloride	0.020	U	0.020	0.010

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		77-124
2037-26-5	Toluene-d8 (Surr)	97		80-121
460-00-4	4-Bromofluorobenzene (Surr)	87		77-112
1868-53-7	Dibromofluoromethane	95		78-119

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-02 | Lab Sample ID: 500-35461-3

Matrix: Solid | Lab File ID: 35461-03A.D

Analysis Method: 8260B | Date Collected: 06/13/2011 12:20

Sample wt/vol: 5(g) | Date Analyzed: 06/22/2011 00:02

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 50

Soil Extract Vol.: 5(mL) | GC Column: DB624 ID: 0.2(mm)

% Moisture: 34.4 | Level: (low/med) Medium

Analysis Batch No.: 117160 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.15	U * Q	0.15	0.055
74-87-3	Chloromethane	0.15	U	0.15	0.033
75-01-4	Vinyl chloride	0.019	U	0.019	0.0062
74-83-9	Bromomethane	0.15	U	0.15	0.051
75-00-3	Chloroethane	0.15	U	0.15	0.045
75-69-4	Trichlorofluoromethane	0.15	U	0.15	0.028
75-35-4	1,1-Dichloroethene	0.076	U	0.076	0.023
75-15-0	Carbon disulfide	0.38	U	0.38	0.030
67-64-1	Acetone	0.38	U	0.38	0.18
75-09-2	Methylene Chloride	0.38	U	0.38	0.046
156-60-5	trans-1,2-Dichloroethene	0.076	U	0.076	0.026
1634-04-4	Methyl tert-butyl ether	0.15	U	0.15	0.023
75-34-3	1,1-Dichloroethane	0.076	U	0.076	0.015
594-20-7	2,2-Dichloropropane	0.076	U	0.076	0.019
156-59-2	cis-1,2-Dichloroethene	0.076	U	0.076	0.023
78-93-3	2-Butanone (MEK)	0.38	U	0.38	0.14
74-97-5	Bromochloromethane	0.15	U	0.15	0.063
67-66-3	Chloroform	0.076	U	0.076	0.011
71-55-6	1,1,1-Trichloroethane	0.076	U	0.076	0.022
563-58-6	1,1-Dichloropropene	0.076	U	0.076	0.022
56-23-5	Carbon tetrachloride	0.076	U	0.076	0.034
71-43-2	Benzene	0.019	U	0.019	0.0085
107-06-2	1,2-Dichloroethane	0.076	U	0.076	0.018
79-01-6	Trichloroethene	0.019	U	0.019	0.0075
78-87-5	1,2-Dichloropropane	0.076	U	0.076	0.023
74-95-3	Dibromomethane	0.15	U	0.15	0.060
75-27-4	Bromodichloromethane	0.15	U	0.15	0.030
10061-01-5	cis-1,3-Dichloropropene	0.076	U	0.076	0.012
108-10-1	4-Methyl-2-pentanone (MIBK)	0.38	U	0.38	0.084
108-88-3	Toluene	0.019	U	0.019	0.0061
10061-02-6	trans-1,3-Dichloropropene	0.076	U	0.076	0.027
79-00-5	1,1,2-Trichloroethane	0.076	U	0.076	0.033
127-18-4	Tetrachloroethene	0.076	U	0.076	0.021
142-28-9	1,3-Dichloropropane	0.076	U	0.076	0.021
591-78-6	2-Hexanone	0.38	U	0.38	0.071
124-48-1	Dibromochloromethane	0.15	U	0.15	0.031

JD 7/19/11

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-02 | Lab Sample ID: 500-35461-3

Matrix: Solid | Lab File ID: 35461-03A.D

Analysis Method: 8260B | Date Collected: 06/13/2011 12:20

Sample wt/vol: 5(g) | Date Analyzed: 06/22/2011 00:02

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 50

Soil Extract Vol.: 5(mL) | GC Column: DB624 ID: 0.2(mm)

% Moisture: 34.4 | Level: (low/med) Medium

Analysis Batch No.: 117160 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.15	U	0.15	0.052
108-90-7	Chlorobenzene	0.076	U	0.076	0.017
630-20-6	1,1,1,2-Tetrachloroethane	0.15	U	0.15	0.017
100-41-4	Ethylbenzene	0.019	U	0.019	0.0075
179601-23-1	m&p-Xylene	0.038	U	0.038	0.017
95-47-6	o-Xylene	0.014	J	0.019	0.0038
100-42-5	Styrene	0.076	U	0.076	0.024
75-25-2	Bromoform	0.15	U	0.15	0.039
98-82-8	Isopropylbenzene	0.15	U	0.15	0.026
108-86-1	Bromobenzene	0.15	U	0.15	0.024
79-34-5	1,1,2,2-Tetrachloroethane	0.076	U	0.076	0.024
96-18-4	1,2,3-Trichloropropane	0.15	U	0.15	0.051
103-65-1	N-Propylbenzene	0.15	U	0.15	0.016
95-49-8	2-Chlorotoluene	0.076	U	0.076	0.017
108-67-8	1,3,5-Trimethylbenzene	0.15	U	0.15	0.023
106-43-4	4-Chlorotoluene	0.076	U	0.076	0.015
98-06-6	tert-Butylbenzene	0.076	U	0.076	0.018
95-63-6	1,2,4-Trimethylbenzene	0.15	U	0.15	0.019
135-98-8	sec-Butylbenzene	0.076	U	0.076	0.015
99-87-6	p-Isopropyltoluene	0.15	U	0.15	0.023
104-51-8	n-Butylbenzene	0.076	U	0.076	0.014
96-12-8	1,2-Dibromo-3-Chloropropane	0.15	U	0.15	0.045
87-61-6	1,2,3-Trichlorobenzene	0.15	U * 9	0.15	0.056

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-124
2037-26-5	Toluene-d8 (Surr)	110		80-121
460-00-4	4-Bromofluorobenzene (Surr)	99		77-112
1868-53-7	Dibromofluoromethane	104		78-119

JAS 7/19/11

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-02 | Lab Sample ID: 500-35461-3

Matrix: Solid (TCLP) | Lab File ID: 35461-03.D

Analysis Method: 8260B | Date Collected: 06/13/2011 12:20

Sample wt/vol: 5(mL) | Date Analyzed: 06/21/2011 21:40

Soil Aliquot Vol: | Dilution Factor: 20

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117161 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.020	U	0.020	0.010
56-23-5	Carbon tetrachloride	0.020	U	0.020	0.010
108-90-7	Chlorobenzene	0.020	U	0.020	0.010
67-66-3	Chloroform	0.020	U	0.020	0.010
107-06-2	1,2-Dichloroethane	0.020	U	0.020	0.010
75-35-4	1,1-Dichloroethene	0.020	U	0.020	0.010
78-93-3	2-Butanone (MEK)	0.10	U	0.10	0.050
127-18-4	Tetrachloroethene	0.020	U	0.020	0.010
79-01-6	Trichloroethene	0.020	U	0.020	0.010
75-01-4	Vinyl chloride	0.020	U	0.020	0.010

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		77-124
2037-26-5	Toluene-d8 (Surr)	101		80-121
460-00-4	4-Bromofluorobenzene (Surr)	90		77-112
1868-53-7	Dibromofluoromethane	100		78-119

JDS 7/19/11

FORM I

GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-03 | Lab Sample ID: 500-35461-4

Matrix: Solid | Lab File ID: 35461-04A.D

Analysis Method: 8260B | Date Collected: 06/13/2011 12:30

Sample wt/vol: 5(g) | Date Analyzed: 06/22/2011 00:25

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 50

Soil Extract Vol.: 5(mL) | GC Column: DB624 ID: 0.2(mm)

% Moisture: 6.2 | Level: (low/med) Medium

Analysis Batch No.: 117160 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.11	U * Q	0.11	0.039
74-87-3	Chloromethane	0.11	U	0.11	0.023
75-01-4	Vinyl chloride	0.013	U	0.013	0.0044
74-83-9	Bromomethane	0.11	U	0.11	0.035
75-00-3	Chloroethane	0.11	U	0.11	0.031
75-69-4	Trichlorofluoromethane	0.11	U	0.11	0.020
75-35-4	1,1-Dichloroethene	0.053	U	0.053	0.016
75-15-0	Carbon disulfide	0.27	U	0.27	0.021
67-64-1	Acetone	0.27	U	0.27	0.13
75-09-2	Methylene Chloride	0.27	U	0.27	0.032
156-60-5	trans-1,2-Dichloroethene	0.073		0.053	0.018
1634-04-4	Methyl tert-butyl ether	0.11	U	0.11	0.016
75-34-3	1,1-Dichloroethane	0.053	U	0.053	0.010
594-20-7	2,2-Dichloropropane	0.053	U	0.053	0.013
156-59-2	cis-1,2-Dichloroethene	0.053	U	0.053	0.016
78-93-3	2-Butanone (MEK)	0.27	U	0.27	0.10
74-97-5	Bromochloromethane	0.11	U	0.11	0.044
67-66-3	Chloroform	0.053	U	0.053	0.0078
71-55-6	1,1,1-Trichloroethane	0.053	U	0.053	0.016
563-58-6	1,1-Dichloropropene	0.053	U	0.053	0.015
56-23-5	Carbon tetrachloride	0.053	U	0.053	0.024
71-43-2	Benzene	0.013	U	0.013	0.0059
107-06-2	1,2-Dichloroethane	0.053	U	0.053	0.012
79-01-6	Trichloroethene	0.013	U	0.013	0.0053
78-87-5	1,2-Dichloropropane	0.053	U	0.053	0.016
74-95-3	Dibromomethane	0.11	U	0.11	0.042
75-27-4	Bromodichloromethane	0.11	U	0.11	0.021
10061-01-5	cis-1,3-Dichloropropene	0.053	U	0.053	0.0087
108-10-1	4-Methyl-2-pentanone (MIBK)	0.27	U	0.27	0.059
108-88-3	Toluene	0.013	U	0.013	0.0043
10061-02-6	trans-1,3-Dichloropropene	0.053	U	0.053	0.019
79-00-5	1,1,2-Trichloroethane	0.053	U	0.053	0.023
127-18-4	Tetrachloroethene	0.053	U	0.053	0.015
142-28-9	1,3-Dichloropropane	0.053	U	0.053	0.015
591-78-6	2-Hexanone	0.27	U	0.27	0.050
124-48-1	Dibromochloromethane	0.11	U	0.11	0.022

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-03 | Lab Sample ID: 500-35461-4

Matrix: Solid | Lab File ID: 35461-04A.D

Analysis Method: 8260B | Date Collected: 06/13/2011 12:30

Sample wt/vol: 5(g) | Date Analyzed: 06/22/2011 00:25

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 50

Soil Extract Vol.: 5(mL) | GC Column: DB624 ID: 0.2(mm)

% Moisture: 6.2 | Level: (low/med) Medium

Analysis Batch No.: 117160 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.11	U	0.11	0.036
108-90-7	Chlorobenzene	0.053	U	0.053	0.012
630-20-6	1,1,1,2-Tetrachloroethane	0.11	U	0.11	0.012
100-41-4	Ethylbenzene	0.013	U	0.013	0.0052
179601-23-1	m&p-Xylene	0.027	U	0.027	0.012
95-47-6	o-Xylene	0.013	U	0.013	0.0027
100-42-5	Styrene	0.053	U	0.053	0.017
75-25-2	Bromoform	0.11	U	0.11	0.027
98-82-8	Isopropylbenzene	0.11	U	0.11	0.018
108-86-1	Bromobenzene	0.11	U	0.11	0.017
79-34-5	1,1,2,2-Tetrachloroethane	0.053	U	0.053	0.017
96-18-4	1,2,3-Trichloropropane	0.11	U	0.11	0.036
103-65-1	N-Propylbenzene	0.11	U	0.11	0.011
95-49-8	2-Chlorotoluene	0.053	U	0.053	0.012
108-67-8	1,3,5-Trimethylbenzene	0.11	U	0.11	0.016
106-43-4	4-Chlorotoluene	0.053	U	0.053	0.010
98-06-6	tert-Butylbenzene	0.053	U	0.053	0.013
95-63-6	1,2,4-Trimethylbenzene	0.11	U	0.11	0.013
135-98-8	sec-Butylbenzene	0.053	U	0.053	0.011
99-87-6	p-Isopropyltoluene	0.11	U	0.11	0.016
104-51-8	n-Butylbenzene	0.053	U	0.053	0.010
96-12-8	1,2-Dibromo-3-Chloropropane	0.11	U	0.11	0.031
87-61-6	1,2,3-Trichlorobenzene	0.11	U * Q	0.11	0.039

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-124
2037-26-5	Toluene-d8 (Surr)	103		80-121
460-00-4	4-Bromofluorobenzene (Surr)	95		77-112
1868-53-7	Dibromofluoromethane	99		78-119

JDS 7/19/11

FORM I

GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-03 Lab Sample ID: 500-35461-4

Matrix: Solid (TCLP) Lab File ID: 35461-04.D

Analysis Method: 8260B Date Collected: 06/13/2011 12:30

Sample wt/vol: 5(mL) Date Analyzed: 06/21/2011 22:03

Soil Aliquot Vol: Dilution Factor: 20

Soil Extract Vol.: GC Column: DB624 ID: 0.2(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 117161 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.020	U	0.020	0.010
56-23-5	Carbon tetrachloride	0.020	U	0.020	0.010
108-90-7	Chlorobenzene	0.020	U	0.020	0.010
67-66-3	Chloroform	0.020	U	0.020	0.010
107-06-2	1,2-Dichloroethane	0.020	U	0.020	0.010
75-35-4	1,1-Dichloroethene	0.020	U	0.020	0.010
78-93-3	2-Butanone (MEK)	0.10	U	0.10	0.050
127-18-4	Tetrachloroethene	0.020	U	0.020	0.010
79-01-6	Trichloroethene	0.020	U	0.020	0.010
75-01-4	Vinyl chloride	0.020	U	0.020	0.010

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-124
2037-26-5	Toluene-d8 (Surr)	106		80-121
460-00-4	4-Bromofluorobenzene (Surr)	94		77-112
1868-53-7	Dibromofluoromethane	106		78-119

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-DRUM-05 | Lab Sample ID: 500-35461-9

Matrix: Water | Lab File ID: 35461-09B.D

Analysis Method: 8260B | Date Collected: 06/13/2011 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 06/22/2011 01:36

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117161 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.010	U	0.010	0.0026
74-87-3	Chloromethane	0.010	U	0.010	0.0024
75-01-4	Vinyl chloride	0.0050	U	0.0050	0.0013
74-83-9	Bromomethane	0.010	U	0.010	0.0049
75-00-3	Chloroethane	0.010	U	0.010	0.0033
75-69-4	Trichlorofluoromethane	0.010	U	0.010	0.0022
75-35-4	1,1-Dichloroethene	0.010	U	0.010	0.0029
75-15-0	Carbon disulfide	0.050	U	0.050	0.0044
67-64-1	Acetone	0.14		0.050	0.019
75-09-2	Methylene Chloride	0.050	U	0.050	0.0063
156-60-5	trans-1,2-Dichloroethene	0.010	U	0.010	0.0027
1634-04-4	Methyl tert-butyl ether	0.010	U	0.010	0.0028
75-34-3	1,1-Dichloroethane	0.010	U	0.010	0.0024
594-20-7	2,2-Dichloropropane	0.010	U	0.010	0.0031
156-59-2	cis-1,2-Dichloroethene	0.010	U	0.010	0.0022
78-93-3	2-Butanone (MEK)	0.050	U	0.050	0.010
74-97-5	Bromochloromethane	0.010	U	0.010	0.0050
67-66-3	Chloroform	0.010	U	0.010	0.0025
71-55-6	1,1,1-Trichloroethane	0.010	U	0.010	0.0026
563-58-6	1,1-Dichloropropene	0.010	U	0.010	0.0025
56-23-5	Carbon tetrachloride	0.010	U	0.010	0.0028
71-43-2	Benzene	0.0050	U	0.0050	0.0012
107-06-2	1,2-Dichloroethane	0.010	U	0.010	0.0028
79-01-6	Trichloroethene	0.0050	U	0.0050	0.0018
78-87-5	1,2-Dichloropropane	0.010	U	0.010	0.0036
74-95-3	Dibromomethane	0.010	U	0.010	0.0039
75-27-4	Bromodichloromethane	0.010	U	0.010	0.0023
10061-01-5	cis-1,3-Dichloropropene	0.010	U	0.010	0.0028
108-10-1	4-Methyl-2-pentanone (MIBK)	0.050	U	0.050	0.0079
108-88-3	Toluene	0.0050	U	0.0050	0.0015
10061-02-6	trans-1,3-Dichloropropene	0.010	U	0.010	0.0035
79-00-5	1,1,2-Trichloroethane	0.010	U	0.010	0.0030
127-18-4	Tetrachloroethene	0.010	U	0.010	0.0022
142-28-9	1,3-Dichloropropane	0.010	U	0.010	0.0027
591-78-6	2-Hexanone	0.050	U	0.050	0.0056
124-48-1	Dibromochloromethane	0.010	U	0.010	0.0025

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-DRUM-05 | Lab Sample ID: 500-35461-9

Matrix: Water | Lab File ID: 35461-09B.D

Analysis Method: 8260B | Date Collected: 06/13/2011 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 06/22/2011 01:36

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117161 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.010	U	0.010	0.0045
108-90-7	Chlorobenzene	0.010	U	0.010	0.0024
630-20-6	1,1,1,2-Tetrachloroethane	0.010	U	0.010	0.0031
100-41-4	Ethylbenzene	0.030		0.0050	0.0014
179601-23-1	m&p-Xylene	0.010	U	0.010	0.0030
95-47-6	o-Xylene	0.10		0.0050	0.0013
100-42-5	Styrene	0.010	U	0.010	0.0026
75-25-2	Bromoform	0.010	U	0.010	0.0045
98-82-8	Isopropylbenzene	0.010	U	0.010	0.0021
108-86-1	Bromobenzene	0.010	U	0.010	0.0031
79-34-5	1,1,2,2-Tetrachloroethane	0.010	U	0.010	0.0035
96-18-4	1,2,3-Trichloropropane	0.010	U	0.010	0.0060
103-65-1	N-Propylbenzene	0.0059	J	0.010	0.0019
95-49-8	2-Chlorotoluene	0.010	U	0.010	0.0021
108-67-8	1,3,5-Trimethylbenzene	0.015		0.010	0.0023
106-43-4	4-Chlorotoluene	0.010	U	0.010	0.0021
98-06-6	tert-Butylbenzene	0.010	U	0.010	0.0024
95-63-6	1,2,4-Trimethylbenzene	0.047		0.010	0.0022
135-98-8	sec-Butylbenzene	0.010	U	0.010	0.0019
99-87-6	p-Isopropyltoluene	0.010	U	0.010	0.0024
104-51-8	n-Butylbenzene	0.010	U	0.010	0.0021
96-12-8	1,2-Dibromo-3-Chloropropane	0.020	U	0.020	0.012
87-61-6	1,2,3-Trichlorobenzene	0.011		0.010	0.0036

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-124
2037-26-5	Toluene-d8 (Surr)	103		80-121
460-00-4	4-Bromofluorobenzene (Surr)	118	X	77-112
1868-53-7	Dibromofluoromethane	5	X	78-119

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-DRUM-05 Lab Sample ID: 500-35461-9

Matrix: Water (TCLP) Lab File ID: 35461-09.D

Analysis Method: 8260B Date Collected: 06/13/2011 14:00

Sample wt/vol: 5(mL) Date Analyzed: 06/17/2011 22:50

Soil Aliquot Vol: Dilution Factor: 20

Soil Extract Vol.: GC Column: DB624 ID: 0.2(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 116824 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.020	U	0.020	0.010
56-23-5	Carbon tetrachloride	0.020	U	0.020	0.010
108-90-7	Chlorobenzene	0.020	U	0.020	0.010
67-66-3	Chloroform	0.020	U	0.020	0.010
107-06-2	1,2-Dichloroethane	0.020	U	0.020	0.010
75-35-4	1,1-Dichloroethene	0.020	U	0.020	0.010
78-93-3	2-Butanone (MEK)	0.10	U	0.10	0.050
127-18-4	Tetrachloroethene	0.020	U	0.020	0.010
79-01-6	Trichloroethene	0.020	U	0.020	0.010
75-01-4	Vinyl chloride	0.020	U	0.020	0.010

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-124
2037-26-5	Toluene-d8 (Surr)	99		80-121
460-00-4	4-Bromofluorobenzene (Surr)	95		77-112
1868-53-7	Dibromofluoromethane	10	X	78-119

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-DRUM-07 | Lab Sample ID: 500-35461-11

Matrix: Water | Lab File ID: 35461-11B.D

Analysis Method: 8260B | Date Collected: 06/13/2011 14:30

Sample wt/vol: 5(mL) | Date Analyzed: 06/22/2011 02:24

Soil Aliquot Vol: | Dilution Factor: 100

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117161 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.026
74-87-3	Chloromethane	0.10	U	0.10	0.024
75-01-4	Vinyl chloride	0.050	U	0.050	0.013
74-83-9	Bromomethane	0.10	U	0.10	0.049
75-00-3	Chloroethane	0.10	U	0.10	0.033
75-69-4	Trichlorofluoromethane	0.10	U	0.10	0.022
75-35-4	1,1-Dichloroethene	0.10	U	0.10	0.029
75-15-0	Carbon disulfide	0.50	U	0.50	0.044
75-09-2	Methylene Chloride	0.66		0.50	0.063
156-60-5	trans-1,2-Dichloroethene	0.10	U	0.10	0.027
1634-04-4	Methyl tert-butyl ether	0.17		0.10	0.028
75-34-3	1,1-Dichloroethane	0.10	U	0.10	0.024
594-20-7	2,2-Dichloropropane	0.10	U	0.10	0.031
156-59-2	cis-1,2-Dichloroethene	0.10	U	0.10	0.022
78-93-3	2-Butanone (MEK)	0.50	U	0.50	0.10
74-97-5	Bromochloromethane	0.10	U	0.10	0.050
67-66-3	Chloroform	0.10	U	0.10	0.025
71-55-6	1,1,1-Trichloroethane	0.10	U	0.10	0.026
563-58-6	1,1-Dichloropropene	0.10	U	0.10	0.025
56-23-5	Carbon tetrachloride	0.10	U	0.10	0.028
71-43-2	Benzene	0.068		0.050	0.012
107-06-2	1,2-Dichloroethane	0.10	U	0.10	0.028
79-01-6	Trichloroethene	0.050	U	0.050	0.018
78-87-5	1,2-Dichloropropane	0.10	U	0.10	0.036
74-95-3	Dibromomethane	0.10	U	0.10	0.039
75-27-4	Bromodichloromethane	0.10	U	0.10	0.023
10061-01-5	cis-1,3-Dichloropropene	0.10	U	0.10	0.028
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	U	0.50	0.079
108-88-3	Toluene	0.050	U	0.050	0.015
10061-02-6	trans-1,3-Dichloropropene	0.10	U	0.10	0.035
79-00-5	1,1,2-Trichloroethane	0.10	U	0.10	0.030
127-18-4	Tetrachloroethene	0.10	U	0.10	0.022
142-28-9	1,3-Dichloropropane	0.10	U	0.10	0.027
591-78-6	2-Hexanone	0.50	U	0.50	0.056
124-48-1	Dibromochloromethane	0.10	U	0.10	0.025
106-93-4	1,2-Dibromoethane	0.10	U	0.10	0.045

JTS 7/19/11

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-DRUM-07 | Lab Sample ID: 500-35461-11

Matrix: Water | Lab File ID: 35461-11B.D

Analysis Method: 8260B | Date Collected: 06/13/2011 14:30

Sample wt/vol: 5(mL) | Date Analyzed: 06/22/2011 02:24

Soil Aliquot Vol: | Dilution Factor: 100

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117161 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-90-7	Chlorobenzene	0.10	U	0.10	0.024
630-20-6	1,1,1,2-Tetrachloroethane	0.10	U	0.10	0.031
100-41-4	Ethylbenzene	0.57		0.050	0.014
179601-23-1	m&p-Xylene	0.10	U	0.10	0.030
95-47-6	o-Xylene	0.050	U	0.050	0.013
100-42-5	Styrene	0.10	U	0.10	0.026
75-25-2	Bromoform	0.10	U	0.10	0.045
98-82-8	Isopropylbenzene	0.37		0.10	0.021
108-86-1	Bromobenzene	0.10	U	0.10	0.031
79-34-5	1,1,2,2-Tetrachloroethane	0.10	U	0.10	0.035
96-18-4	1,2,3-Trichloropropane	0.10	U	0.10	0.060
103-65-1	N-Propylbenzene	0.10	U	0.10	0.019
95-49-8	2-Chlorotoluene	0.10	U	0.10	0.021
108-67-8	1,3,5-Trimethylbenzene	0.10	U	0.10	0.023
106-43-4	4-Chlorotoluene	0.10	U	0.10	0.021
98-06-6	tert-Butylbenzene	0.10	U	0.10	0.024
95-63-6	1,2,4-Trimethylbenzene	0.10	U	0.10	0.022
135-98-8	sec-Butylbenzene	0.10	U	0.10	0.019
99-87-6	p-Isopropyltoluene	0.10	U	0.10	0.024
104-51-8	n-Butylbenzene	0.10	U	0.10	0.021
96-12-8	1,2-Dibromo-3-Chloropropane	0.20	U	0.20	0.12
87-61-6	1,2,3-Trichlorobenzene	0.10	U	0.10	0.036

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		77-124
2037-26-5	Toluene-d8 (Surr)	104		80-121
460-00-4	4-Bromofluorobenzene (Surr)	113	X	77-112
1868-53-7	Dibromofluoromethane	4	X	78-119

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-DRUM-07 DL | Lab Sample ID: 500-35461-11 DL

Matrix: Water | Lab File ID: 35461-11D.D

Analysis Method: 8260B | Date Collected: 06/13/2011 14:30

Sample wt/vol: 5(mL) | Date Analyzed: 06/22/2011 11:26

Soil Aliquot Vol: | Dilution Factor: 5000

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117281 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	220		25	9.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		77-124
2037-26-5	Toluene-d8 (Surr)	102		80-121
460-00-4	4-Bromofluorobenzene (Surr)	93		77-112
1868-53-7	Dibromofluoromethane	92		78-119

JBS 7/19/11

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-DRUM-07 | Lab Sample ID: 500-35461-11

Matrix: Water (TCLP) | Lab File ID: 35461-11.D

Analysis Method: 8260B | Date Collected: 06/13/2011 14:30

Sample wt/vol: 5(mL) | Date Analyzed: 06/17/2011 22:26

Soil Aliquot Vol: | Dilution Factor: 100

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 116824 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.10	U	0.10	0.050
56-23-5	Carbon tetrachloride	0.10	U	0.10	0.050
108-90-7	Chlorobenzene	0.10	U	0.10	0.050
67-66-3	Chloroform	0.10	U	0.10	0.050
107-06-2	1,2-Dichloroethane	0.10	U	0.10	0.050
75-35-4	1,1-Dichloroethene	0.10	U	0.10	0.050
78-93-3	2-Butanone (MEK)	0.50	U	0.50	0.25
127-18-4	Tetrachloroethene	0.10	U	0.10	0.050
79-01-6	Trichloroethene	0.10	U	0.10	0.050
75-01-4	Vinyl chloride	0.10	U	0.10	0.050

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-124
2037-26-5	Toluene-d8 (Surr)	101		80-121
460-00-4	4-Bromofluorobenzene (Surr)	99		77-112
1868-53-7	Dibromofluoromethane	7	X	78-119

FORM I

GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-04 | Lab Sample ID: 500-35461-12

Matrix: Solid | Lab File ID: 5461-13B.D

Analysis Method: 8260B | Date Collected: 06/13/2011 12:45

Sample wt/vol: 5(g) | Date Analyzed: 06/22/2011 13:23

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: 9.6 | Level: (low/med) Low

Analysis Batch No.: 117181 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.055	U	0.055	0.016
74-87-3	Chloromethane	0.055	U	0.055	0.011
75-01-4	Vinyl chloride	0.055	U	0.055	0.010
74-83-9	Bromomethane	0.055	U	0.055	0.021
75-00-3	Chloroethane	0.055	U	0.055	0.015
75-69-4	Trichlorofluoromethane	0.055	U	0.055	0.011
75-35-4	1,1-Dichloroethene	0.055	U	0.055	0.012
75-15-0	Carbon disulfide	0.055	U	0.055	0.0094
67-64-1	Acetone	0.056		0.055	0.023
75-09-2	Methylene Chloride	0.055	U	0.055	0.020
156-60-5	trans-1,2-Dichloroethene	0.055	U	0.055	0.0095
1634-04-4	Methyl tert-butyl ether	0.055	U	0.055	0.0096
75-34-3	1,1-Dichloroethane	0.055	U	0.055	0.0067
594-20-7	2,2-Dichloropropane	0.055	U	0.055	0.011
156-59-2	cis-1,2-Dichloroethene	0.055	U	0.055	0.0083
78-93-3	2-Butanone (MEK)	0.055	U	0.055	0.025
74-97-5	Bromochloromethane	0.055	U	0.055	0.0093
67-66-3	Chloroform	0.055	U	0.055	0.0079
71-55-6	1,1,1-Trichloroethane	0.055	U	0.055	0.0092
563-58-6	1,1-Dichloropropene	0.055	U	0.055	0.011
56-23-5	Carbon tetrachloride	0.055	U	0.055	0.013
71-43-2	Benzene	0.055	U	0.055	0.0080
107-06-2	1,2-Dichloroethane	0.055	U	0.055	0.0089
79-01-6	Trichloroethene	0.055	U	0.055	0.0084
78-87-5	1,2-Dichloropropane	0.055	U	0.055	0.0082
74-95-3	Dibromomethane	0.055	U	0.055	0.0079
75-27-4	Bromodichloromethane	0.055	U	0.055	0.0085
10061-01-5	cis-1,3-Dichloropropene	0.055	U	0.055	0.0055
108-10-1	4-Methyl-2-pentanone (MIBK)	0.055	U	0.055	0.011
108-88-3	Toluene	0.055	U	0.055	0.0079
10061-02-6	trans-1,3-Dichloropropene	0.055	U	0.055	0.0081
79-00-5	1,1,2-Trichloroethane	0.055	U	0.055	0.011
127-18-4	Tetrachloroethene	0.055	U	0.055	0.010
142-28-9	1,3-Dichloropropane	0.055	U	0.055	0.0086
591-78-6	2-Hexanone	0.055	U	0.055	0.027
124-48-1	Dibromochloromethane	0.055	U	0.055	0.0081

7/19/11

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-04 | Lab Sample ID: 500-35461-12

Matrix: Solid | Lab File ID: 5461-13B.D

Analysis Method: 8260B | Date Collected: 06/13/2011 12:45

Sample wt/vol: 5(g) | Date Analyzed: 06/22/2011 13:23

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: 9.6 | Level: (low/med) Low

Analysis Batch No.: 117181 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.055	U	0.055	0.0090
108-90-7	Chlorobenzene	0.055	U	0.055	0.0092
630-20-6	1,1,1,2-Tetrachloroethane	0.055	U	0.055	0.010
100-41-4	Ethylbenzene	0.055	U	0.055	0.0089
179601-23-1	m&p-Xylene	0.11	U	0.11	0.017
95-47-6	o-Xylene	0.055	U	0.055	0.0096
100-42-5	Styrene	0.055	U	0.055	0.0091
75-25-2	Bromoform	0.055	U	0.055	0.0090
98-82-8	Isopropylbenzene	0.055	U	0.055	0.011
108-86-1	Bromobenzene	0.055	U	0.055	0.0098
79-34-5	1,1,2,2-Tetrachloroethane	0.055	U	0.055	0.0081
96-18-4	1,2,3-Trichloropropane	0.055	U	0.055	0.0086
103-65-1	N-Propylbenzene	0.055	U	0.055	0.0094
95-49-8	2-Chlorotoluene	0.055	U	0.055	0.010
108-67-8	1,3,5-Trimethylbenzene	0.055	U	0.055	0.010
106-43-4	4-Chlorotoluene	0.055	U	0.055	0.010
98-06-6	tert-Butylbenzene	0.055	U	0.055	0.010
95-63-6	1,2,4-Trimethylbenzene	0.055	U	0.055	0.011
135-98-8	sec-Butylbenzene	0.055	U	0.055	0.011
99-87-6	p-Isopropyltoluene	0.055	U	0.055	0.010
104-51-8	n-Butylbenzene	0.055	U	0.055	0.011
96-12-8	1,2-Dibromo-3-Chloropropane	0.055	U	0.055	0.0093
87-61-6	1,2,3-Trichlorobenzene	0.055	U	0.055	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		69-120
2037-26-5	Toluene-d8 (Surr)	97		69-122
460-00-4	4-Bromofluorobenzene (Surr)	101		67-120
1868-53-7	Dibromofluoromethane	111		69-120

JAS 7/19/11

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-04 | Lab Sample ID: 500-35461-12

Matrix: Solid (TCLP) | Lab File ID: 35461-12.D

Analysis Method: 8260B | Date Collected: 06/13/2011 12:45

Sample wt/vol: 5(mL) | Date Analyzed: 06/21/2011 22:27

Soil Aliquot Vol: | Dilution Factor: 20

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 117161 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.020	U	0.020	0.010
56-23-5	Carbon tetrachloride	0.020	U	0.020	0.010
108-90-7	Chlorobenzene	0.020	U	0.020	0.010
67-66-3	Chloroform	0.020	U	0.020	0.010
107-06-2	1,2-Dichloroethane	0.020	U	0.020	0.010
75-35-4	1,1-Dichloroethene	0.020	U	0.020	0.010
78-93-3	2-Butanone (MEK)	0.10	U	0.10	0.050
127-18-4	Tetrachloroethene	0.020	U	0.020	0.010
79-01-6	Trichloroethene	0.020	U	0.020	0.010
75-01-4	Vinyl chloride	0.020	U	0.020	0.010

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-124
2037-26-5	Toluene-d8 (Surr)	106		80-121
460-00-4	4-Bromofluorobenzene (Surr)	92		77-112
1868-53-7	Dibromofluoromethane	102		78-119

Method 8270C

Semivolatile Organic Compounds (GC/MS) by Method 8270C

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-01 | Lab Sample ID: 500-35461-2

Matrix: Solid | Lab File ID: 35461-2.D

Analysis Method: 8270C | Date Collected: 06/13/2011 12:10

Extract. Method: 3541 | Date Extracted: 06/16/2011 17:34

Sample wt/vol: 15.2433(g) | Date Analyzed: 06/17/2011 18:58

Con. Extract Vol.: 0.5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 7.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116819 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	0.18	U	0.18	0.037
111-44-4	Bis(2-chloroethyl)ether	0.18	U	0.18	0.020
541-73-1	1,3-Dichlorobenzene	0.18	U	0.18	0.019
106-46-7	1,4-Dichlorobenzene	0.18	U	0.18	0.020
95-50-1	1,2-Dichlorobenzene	0.18	U	0.18	0.019
100-51-6	Benzyl alcohol	0.35	U	0.35	0.092
95-48-7	2-Methylphenol	0.18	U	0.18	0.026
15831-10-4	3 & 4 Methylphenol	0.18	U	0.18	0.035
108-60-1	bis (2-chloroisopropyl) ether	0.18	U	0.18	0.038
621-64-7	N-Nitrosodi-n-propylamine	0.18	U	0.18	0.024
67-72-1	Hexachloroethane	0.18	U	0.18	0.027
95-57-8	2-Chlorophenol	0.18	U	0.18	0.018
98-95-3	Nitrobenzene	0.035	U	0.035	0.0085
111-91-1	Bis(2-chloroethoxy)methane	0.18	U	0.18	0.014
120-82-1	1,2,4-Trichlorobenzene	0.18	U	0.18	0.022
65-85-0	Benzoic acid	1.8	U ^ Q	1.8	0.34
78-59-1	Isophorone	0.18	U	0.18	0.079
105-67-9	2,4-Dimethylphenol	0.35	U	0.35	0.12
87-68-3	Hexachlorobutadiene	0.18	U	0.18	0.027
91-20-3	Naphthalene	0.57		0.035	0.0064
120-83-2	2,4-Dichlorophenol	0.35	U	0.35	0.045
106-47-8	4-Chloroaniline	0.71	U	0.71	0.11
88-06-2	2,4,6-Trichlorophenol	0.35	U	0.35	0.076
95-95-4	2,4,5-Trichlorophenol	0.35	U	0.35	0.079
77-47-4	Hexachlorocyclopentadiene	0.71	U	0.71	0.35
91-57-6	2-Methylnaphthalene	0.89		0.18	0.014
88-74-4	2-Nitroaniline	0.18	U	0.18	0.021
91-58-7	2-Chloronaphthalene	0.18	U	0.18	0.014
59-50-7	4-Chloro-3-methylphenol	0.35	U	0.35	0.086
606-20-2	2,6-Dinitrotoluene	0.18	U	0.18	0.024
88-75-5	2-Nitrophenol	0.35	U	0.35	0.10
99-09-2	3-Nitroaniline	0.35	U	0.35	0.061
131-11-3	Dimethyl phthalate	0.18	U	0.18	0.016
51-28-5	2,4-Dinitrophenol	0.71	U	0.71	0.26

FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-01 | Lab Sample ID: 500-35461-2

Matrix: Solid | Lab File ID: 35461-2.D

Analysis Method: 8270C | Date Collected: 06/13/2011 12:10

Extract. Method: 3541 | Date Extracted: 06/16/2011 17:34

Sample wt/vol: 15.2433(g) | Date Analyzed: 06/17/2011 18:58

Con. Extract Vol.: 0.5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 7.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116819 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	0.044		0.035	0.0055
121-14-2	2,4-Dinitrotoluene	0.18	U	0.18	0.036
83-32-9	Acenaphthene	0.035	U	0.035	0.0074
132-64-9	Dibenzofuran	0.25		0.18	0.040
100-02-7	4-Nitrophenol	0.71	U	0.71	0.28
86-73-7	Fluorene	0.060		0.035	0.0067
100-01-6	4-Nitroaniline	0.35	U	0.35	0.061
101-55-3	4-Bromophenyl phenyl ether	0.18	U	0.18	0.022
118-74-1	Hexachlorobenzene	0.071	U	0.071	0.0068
84-66-2	Diethyl phthalate	0.18	U	0.18	0.038
7005-72-3	4-Chlorophenyl phenyl ether	0.18	U	0.18	0.039
87-86-5	Pentachlorophenol	0.71	U	0.71	0.12
86-30-6	N-Nitrosodiphenylamine	0.18	U	0.18	0.019
534-52-1	4,6-Dinitro-2-methylphenol	0.35	U	0.35	0.067
85-01-8	Phenanthrene	0.75		0.035	0.0069
120-12-7	Anthracene	0.12		0.035	0.0065
86-74-8	Carbazole	0.071	J	0.18	0.019
84-74-2	Di-n-butyl phthalate	0.18	U	0.18	0.020
206-44-0	Fluoranthene	0.75		0.035	0.0066
129-00-0	Pyrene	0.58		0.035	0.012
85-68-7	Butyl benzyl phthalate	0.18	U	0.18	0.030
56-55-3	Benzo[a]anthracene	0.36		0.035	0.0076
218-01-9	Chrysene	0.40		0.035	0.011
91-94-1	3,3'-Dichlorobenzidine	0.18	U	0.18	0.026
117-81-7	Bis(2-ethylhexyl) phthalate	0.089	J	0.18	0.019
117-84-0	Di-n-octyl phthalate	0.18	U	0.18	0.028
205-99-2	Benzo[b]fluoranthene	0.38		0.035	0.0073
207-08-9	Benzo[k]fluoranthene	0.16		0.035	0.0083
50-32-8	Benzo[a]pyrene	0.29		0.035	0.0068
193-39-5	Indeno[1,2,3-cd]pyrene	0.13		0.035	0.0090
53-70-3	Dibenz(a,h)anthracene	0.057		0.035	0.0089
191-24-2	Benzo[g,h,i]perylene	0.19		0.035	0.0066

FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-01 | Lab Sample ID: 500-35461-2

Matrix: Solid | Lab File ID: 35461-2.D

Analysis Method: 8270C | Date Collected: 06/13/2011 12:10

Extract. Method: 3541 | Date Extracted: 06/16/2011 17:34

Sample wt/vol: 15.2433(g) | Date Analyzed: 06/17/2011 18:58

Con. Extract Vol.: 0.5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 7.5 | GPC Cleanup: (Y/N) N

Analysis Batch No.: 116819 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	67		30-110
4165-62-2	Phenol-d5	81		26-112
4165-60-0	Nitrobenzene-d5	80		22-110
321-60-8	2-Fluorobiphenyl	92		27-113
118-79-6	2,4,6-Tribromophenol	89		30-137
1718-51-0	Terphenyl-d14	90		33-129

FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-01 | Lab Sample ID: 500-35461-2

Matrix: Solid (TCLP) | Lab File ID: 35461-2.D

Analysis Method: 8270C | Date Collected: 06/13/2011 12:10

Extract. Method: 3510C | Date Extracted: 06/20/2011 10:45

Sample wt/vol: 100(mL) | Date Analyzed: 06/21/2011 17:25

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup: (Y/N) N

Analysis Batch No.: 117119 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-48-7	2-Methyl-phenol	0.10	U	0.10	0.050
15831-10-4	3 & 4 Methylphenol	0.10	U	0.10	0.050
106-46-7	1,4-Dichlorobenzene	0.10	U	0.10	0.050
121-14-2	2,4-Dinitrotoluene	0.10	U	0.10	0.050
118-74-1	Hexachlorobenzene	0.10	U	0.10	0.050
87-68-3	Hexachloro-1,3-butadiene	0.10	U	0.10	0.050
67-72-1	Hexachloroethane	0.10	U	0.10	0.050
98-95-3	Nitrobenzene	0.10	U	0.10	0.050
87-86-5	Pentachlorophenol	0.50	U	0.50	0.25
110-86-1	Pyridine	0.20	U ^ Q	0.20	0.10
95-95-4	2,4,5-Trichlorophenol	0.50	U	0.50	0.25
88-06-2	2,4,6-Trichlorophenol	0.10	U	0.10	0.050

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	39		20-100
4165-62-2	Phenol-d5	27		20-100
4165-60-0	Nitrobenzene-d5	74		39-110
321-60-8	2-Fluorobiphenyl	84		44-110
118-79-6	2,4,6-Tribromophenol	88		46-126
1718-51-0	Terphenyl-d14	92		52-131

FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-02 | Lab Sample ID: 500-35461-3

Matrix: Solid | Lab File ID: 35461-3.D

Analysis Method: 8270C | Date Collected: 06/13/2011 12:20

Extract. Method: 3541 | Date Extracted: 06/16/2011 17:34

Sample wt/vol: 15.1466(g) | Date Analyzed: 06/17/2011 19:20

Con. Extract Vol.: 25.0(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 34.4 | GPC Cleanup: (Y/N) N

Analysis Batch No.: 116819 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	63	U	63	13
111-44-4	Bis(2-chloroethyl)ether	63	U	63	7.2
541-73-1	1,3-Dichlorobenzene	63	U	63	6.9
106-46-7	1,4-Dichlorobenzene	63	U	63	7.1
95-50-1	1,2-Dichlorobenzene	63	U	63	6.8
100-51-6	Benzyl alcohol	120	U	120	33
95-48-7	2-Methylphenol	63	U	63	9.3
15831-10-4	3 & 4 Methylphenol	63	U	63	13
108-60-1	bis (2-chloroisopropyl) ether	63	U	63	14
621-64-7	N-Nitrosodi-n-propylamine	63	U	63	8.7
67-72-1	Hexachloroethane	63	U	63	9.5
95-57-8	2-Chlorophenol	63	U	63	6.5
98-95-3	Nitrobenzene	12	U	12	3.0
111-91-1	Bis(2-chloroethoxy)methane	63	U	63	5.1
120-82-1	1,2,4-Trichlorobenzene	63	U	63	7.7
65-85-0	Benzoic acid	630	U ^ Q	630	120
78-59-1	Isophorone	63	U	63	28
105-67-9	2,4-Dimethylphenol	120	U	120	41
87-68-3	Hexachlorobutadiene	63	U	63	9.7
91-20-3	Naphthalene	12	U	12	2.3
120-83-2	2,4-Dichlorophenol	120	U	120	16
106-47-8	4-Chloroaniline	250	U	250	40
88-06-2	2,4,6-Trichlorophenol	120	U	120	27
95-95-4	2,4,5-Trichlorophenol	120	U	120	28
77-47-4	Hexachlorocyclopentadiene	250	U	250	120
91-57-6	2-Methylnaphthalene	63	U	63	4.9
88-74-4	2-Nitroaniline	63	U	63	7.3
91-58-7	2-Chloronaphthalene	63	U	63	5.0
59-50-7	4-Chloro-3-methylphenol	120	U	120	31
606-20-2	2,6-Dinitrotoluene	63	U	63	8.4
88-75-5	2-Nitrophenol	120	U	120	37
99-09-2	3-Nitroaniline	120	U	120	22
131-11-3	Dimethyl phthalate	63	U	63	5.5
51-28-5	2,4-Dinitrophenol	250	U	250	92

FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-02 | Lab Sample ID: 500-35461-3

Matrix: Solid | Lab File ID: 35461-3.D

Analysis Method: 8270C | Date Collected: 06/13/2011 12:20

Extract. Method: 3541 | Date Extracted: 06/16/2011 17:34

Sample wt/vol: 15.1466(g) | Date Analyzed: 06/17/2011 19:20

Con. Extract Vol.: 25.0(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 34.4 | GPC Cleanup: (Y/N) N

Analysis Batch No.: 116819 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	12	U	12	1.9
121-14-2	2,4-Dinitrotoluene	63	U	63	13
83-32-9	Acenaphthene	12	U	12	2.6
132-64-9	Dibenzofuran	63	U	63	14
100-02-7	4-Nitrophenol	250	U	250	100
86-73-7	Fluorene	12	U	12	2.4
100-01-6	4-Nitroaniline	120	U	120	21
101-55-3	4-Bromophenyl phenyl ether	63	U	63	7.7
118-74-1	Hexachlorobenzene	25	U	25	2.4
84-66-2	Diethyl phthalate	63	U	63	14
7005-72-3	4-Chlorophenyl phenyl ether	63	U	63	14
87-86-5	Pentachlorophenol	250	U	250	41
86-30-6	N-Nitrosodiphenylamine	63	U	63	6.8
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	24
85-01-8	Phenanthrene	12	U	12	2.5
120-12-7	Anthracene	12	U	12	2.3
86-74-8	Carbazole	63	U	63	6.9
84-74-2	Di-n-butyl phthalate	63	U	63	6.9
206-44-0	Fluoranthene	12	U	12	2.3
129-00-0	Pyrene	6.1	J	12	4.3
85-68-7	Butyl benzyl phthalate	63	U	63	10
56-55-3	Benzo[a]anthracene	12	U	12	2.7
218-01-9	Chrysene	12	U	12	4.0
91-94-1	3,3'-Dichlorobenzidine	63	U	63	9.2
117-81-7	Bis(2-ethylhexyl) phthalate	24	J	63	6.8
117-84-0	Di-n-octyl phthalate	63	U	63	10
205-99-2	Benzo[b]fluoranthene	12	U	12	2.6
207-08-9	Benzo[k]fluoranthene	12	U	12	2.9
50-32-8	Benzo[a]pyrene	12	U	12	2.4
193-39-5	Indeno[1,2,3-cd]pyrene	12	U	12	3.2
53-70-3	Dibenz[a,h]anthracene	12	U	12	3.2
191-24-2	Benzo[g,h,i]perylene	12	U	12	3.1

FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-02 Lab Sample ID: 500-35461-3

Matrix: Solid Lab File ID: 35461-3.D

Analysis Method: 8270C Date Collected: 06/13/2011 12:20

Extract. Method: 3541 Date Extracted: 06/16/2011 17:34

Sample wt/vol: 15.1466(g) Date Analyzed: 06/17/2011 19:20

Con. Extract Vol.: 25.0(mL) Dilution Factor: 5

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 34.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 116819 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	0	D	30-110
4165-62-2	Phenol-d5	0	D	26-112
4165-60-0	Nitrobenzene-d5	0	D	22-110
321-60-8	2-Fluorobiphenyl	0	D	27-113
118-79-6	2,4,6-Tribromophenol	0	D	30-137
1718-51-0	Terphenyl-d14	0	D	33-129

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-02 | Lab Sample ID: 500-35461-3

Matrix: Solid (TCLP) | Lab File ID: 35461-3.D

Analysis Method: 8270C | Date Collected: 06/13/2011 12:20

Extract. Method: 3510C | Date Extracted: 06/20/2011 10:45

Sample wt/vol: 100(mL) | Date Analyzed: 06/21/2011 17:48

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup: (Y/N) N

Analysis Batch No.: 117119 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-48-7	2-Methyl-phenol	0.10	U	0.10	0.050
15831-10-4	3 & 4 Methylphenol	0.10	U	0.10	0.050
106-46-7	1,4-Dichlorobenzene	0.10	U	0.10	0.050
121-14-2	2,4-Dinitrotoluene	0.10	U	0.10	0.050
118-74-1	Hexachlorobenzene	0.10	U	0.10	0.050
87-68-3	Hexachloro-1,3-butadiene	0.10	U	0.10	0.050
67-72-1	Hexachloroethane	0.10	U	0.10	0.050
98-95-3	Nitrobenzene	0.10	U	0.10	0.050
87-86-5	Pentachlorophenol	0.50	U	0.50	0.25
110-86-1	Pyridine	0.20	U ^ Q	0.20	0.10
95-95-4	2,4,5-Trichlorophenol	0.50	U	0.50	0.25
88-06-2	2,4,6-Trichlorophenol	0.10	U	0.10	0.050

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	34		20-100
4165-62-2	Phenol-d5	26		20-100
4165-60-0	Nitrobenzene-d5	68		39-110
321-60-8	2-Fluorobiphenyl	71		44-110
118-79-6	2,4,6-Tribromophenol	91		46-126
1718-51-0	Terphenyl-d14	87		52-131

FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-03 | Lab Sample ID: 500-35461-4

Matrix: Solid | Lab File ID: 35461-4.D

Analysis Method: 8270C | Date Collected: 06/13/2011 12:30

Extract. Method: 3541 | Date Extracted: 06/16/2011 17:34

Sample wt/vol: 15.2747(g) | Date Analyzed: 06/17/2011 19:41

Con. Extract Vol.: 25.0(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 6.2 | GPC Cleanup: (Y/N) N

Analysis Batch No.: 116819 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	44	U	44	9.1
111-44-4	Bis(2-chloroethyl)ether	44	U	44	5.0
541-73-1	1,3-Dichlorobenzene	44	U	44	4.8
106-46-7	1,4-Dichlorobenzene	44	U	44	4.9
95-50-1	1,2-Dichlorobenzene	44	U	44	4.7
100-51-6	Benzyl alcohol	86	U	86	23
95-48-7	2-Methylphenol	44	U	44	6.5
15831-10-4	3 & 4 Methylphenol	44	U	44	8.7
108-60-1	bis (2-chloroisopropyl) ether	44	U	44	9.4
621-64-7	N-Nitrosodi-n-propylamine	44	U	44	6.0
67-72-1	Hexachloroethane	44	U	44	6.6
95-57-8	2-Chlorophenol	44	U	44	4.5
98-95-3	Nitrobenzene	8.6	U	8.6	2.1
111-91-1	Bis(2-chloroethoxy)methane	44	U	44	3.5
120-82-1	1,2,4-Trichlorobenzene	44	U	44	5.3
65-85-0	Benzoic acid	440	U ^ Q	440	83
78-59-1	Isophorone	44	U	44	19
105-67-9	2,4-Dimethylphenol	86	U	86	29
87-68-3	Hexachlorobutadiene	44	U	44	6.7
91-20-3	Naphthalene	8.6	U	8.6	1.6
120-83-2	2,4-Dichlorophenol	86	U	86	11
106-47-8	4-Chloroaniline	180	U	180	27
88-06-2	2,4,6-Trichlorophenol	86	U	86	19
95-95-4	2,4,5-Trichlorophenol	86	U	86	19
77-47-4	Hexachlorocyclopentadiene	180	U	180	86
91-57-6	2-Methylnaphthalene	44	U	44	3.4
88-74-4	2-Nitroaniline	44	U	44	5.1
91-58-7	2-Chloronaphthalene	44	U	44	3.5
59-50-7	4-Chloro-3-methylphenol	86	U	86	21
606-20-2	2,6-Dinitrotoluene	44	U	44	5.8
88-75-5	2-Nitrophenol	86	U	86	26
99-09-2	3-Nitroaniline	86	U	86	15
131-11-3	Dimethyl phthalate	44	U	44	3.8
51-28-5	2,4-Dinitrophenol	180	U	180	64

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-03 | Lab Sample ID: 500-35461-4

Matrix: Solid | Lab File ID: 35461-4.D

Analysis Method: 8270C | Date Collected: 06/13/2011 12:30

Extract. Method: 3541 | Date Extracted: 06/16/2011 17:34

Sample wt/vol: 15.2747(g) | Date Analyzed: 06/17/2011 19:41

Con. Extract Vol.: 25.0(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 6.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116819 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	8.6	U	8.6	1.3
121-14-2	2,4-Dinitrotoluene	44	U	44	8.9
83-32-9	Acenaphthene	8.6	U	8.6	1.8
132-64-9	Dibenzofuran	44	U	44	9.9
100-02-7	4-Nitrophenol	180	U	180	70
86-73-7	Fluorene	8.6	U	8.6	1.7
100-01-6	4-Nitroaniline	86	U	86	15
101-55-3	4-Bromophenyl phenyl ether	44	U	44	5.3
118-74-1	Hexachlorobenzene	18	U	18	1.7
84-66-2	Diethyl phthalate	44	U	44	9.5
7005-72-3	4-Chlorophenyl phenyl ether	44	U	44	9.6
87-86-5	Pentachlorophenol	180	U	180	29
86-30-6	N-Nitrosodiphenylamine	44	U	44	4.7
534-52-1	4,6-Dinitro-2-methylphenol	86	U	86	16
85-01-8	Phenanthrene	9.4		8.6	1.7
120-12-7	Anthracene	3.0	J	8.6	1.6
86-74-8	Carbazole	44	U	44	4.8
84-74-2	Di-n-butyl phthalate	44	U	44	4.8
206-44-0	Fluoranthene	4.3	J	8.6	1.6
129-00-0	Pyrene	10		8.6	3.0
85-68-7	Butyl benzyl phthalate	44	U	44	7.3
56-55-3	Benzo[a]anthracene	3.1	J	8.6	1.9
218-01-9	Chrysene	8.6	U	8.6	2.8
91-94-1	3,3'-Dichlorobenzidine	44	U	44	6.4
117-81-7	Bis(2-ethylhexyl) phthalate	44	U	44	4.7
117-84-0	Di-n-octyl phthalate	44	U	44	7.0
205-99-2	Benzo[b]fluoranthene	8.6	U	8.6	1.8
207-08-9	Benzo[k]fluoranthene	8.6	U	8.6	2.0
50-32-8	Benzo[a]pyrene	8.6	U	8.6	1.7
193-39-5	Indeno[1,2,3-cd]pyrene	8.6	U	8.6	2.2
53-70-3	Dibenz(a,h)anthracene	8.6	U	8.6	2.2
191-24-2	Benzo[g,h,i]perylene	8.6	U	8.6	2.1

FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-03 | Lab Sample ID: 500-35461-4

Matrix: Solid | Lab File ID: 35461-4.D

Analysis Method: 8270C | Date Collected: 06/13/2011 12:30

Extract. Method: 3541 | Date Extracted: 06/16/2011 17:34

Sample wt/vol: 15.2747(g) | Date Analyzed: 06/17/2011 19:41

Con. Extract Vol.: 25.0(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 6.2 | GPC Cleanup: (Y/N) N

Analysis Batch No.: 116819 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	0	D	30-110
4165-62-2	Phenol-d5	0	D	26-112
4165-60-0	Nitrobenzene-d5	0	D	22-110
321-60-8	2-Fluorobiphenyl	0	D	27-113
118-79-6	2,4,6-Tribromophenol	0	D	30-137
1718-51-0	Terphenyl-d14	0	D	33-129

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FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-03 | Lab Sample ID: 500-35461-4

Matrix: Solid (TCLP) | Lab File ID: 35461-4.D

Analysis Method: 8270C | Date Collected: 06/13/2011 12:30

Extract. Method: 3510C | Date Extracted: 06/20/2011 10:45

Sample wt/vol: 100(mL) | Date Analyzed: 06/21/2011 18:11

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup: (Y/N) N

Analysis Batch No.: 117119 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-48-7	2-Methyl-phenol	0.10	U	0.10	0.050
15831-10-4	3 & 4 Methylphenol	0.10	U	0.10	0.050
106-46-7	1,4-Dichlorobenzene	0.10	U	0.10	0.050
121-14-2	2,4-Dinitrotoluene	0.10	U	0.10	0.050
118-74-1	Hexachlorobenzene	0.10	U	0.10	0.050
87-68-3	Hexachloro-1,3-butadiene	0.10	U	0.10	0.050
67-72-1	Hexachloroethane	0.10	U	0.10	0.050
98-95-3	Nitrobenzene	0.10	U	0.10	0.050
87-86-5	Pentachlorophenol	0.50	U	0.50	0.25
110-86-1	Pyridine	0.20	U ^ Q	0.20	0.10
95-95-4	2,4,5-Trichlorophenol	0.50	U	0.50	0.25
88-06-2	2,4,6-Trichlorophenol	0.10	U	0.10	0.050

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	39		20-100
4165-62-2	Phenol-d5	32		20-100
4165-60-0	Nitrobenzene-d5	63		39-110
321-60-8	2-Fluorobiphenyl	77		44-110
118-79-6	2,4,6-Tribromophenol	92		46-126
1718-51-0	Terphenyl-d14	88		52-131

FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-DRUM-07 | Lab Sample ID: 500-35461-11

Matrix: Water | Lab File ID: 35461-11.D

Analysis Method: 8270C | Date Collected: 06/13/2011 14:30

Extract. Method: 3510C | Date Extracted: 06/20/2011 08:15

Sample wt/vol: 100(mL) | Date Analyzed: 06/22/2011 01:02

Con. Extract Vol.: 15.0(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 117118 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	7.5	U	7.5	1.2
111-44-4	Bis(2-chloroethyl)ether	3.0	U	3.0	0.68
541-73-1	1,3-Dichlorobenzene	3.0	U	3.0	0.32
106-46-7	1,4-Dichlorobenzene	3.0	U	3.0	0.36
95-50-1	1,2-Dichlorobenzene	3.0	U	3.0	0.38
100-51-6	Benzyl alcohol	30	U	30	7.4
95-48-7	2-Methylphenol	3.0	U	3.0	0.38
15831-10-4	3 & 4 Methylphenol	3.0	U	3.0	0.38
108-60-1	bis (2-chloroisopropyl) ether	3.0	U	3.0	0.39
621-64-7	N-Nitrosodi-n-propylamine	0.75	U	0.75	0.23
67-72-1	Hexachloroethane	7.5	U	7.5	1.8
95-57-8	2-Chlorophenol	7.5	U	7.5	1.7
98-95-3	Nitrobenzene	1.5	U	1.5	0.56
111-91-1	Bis(2-chloroethoxy)methane	3.0	U	3.0	0.39
120-82-1	1,2,4-Trichlorobenzene	3.0	U	3.0	0.39
65-85-0	Benzoic acid	30	U * ^Q	30	7.1
78-59-1	Isophorone	3.0	U	3.0	0.39
105-67-9	2,4-Dimethylphenol	15	U	15	2.4
87-68-3	Hexachlorobutadiene	7.5	U	7.5	2.3
91-20-3	Naphthalene	1.5	U	1.5	0.21
120-83-2	2,4-Dichlorophenol	15	U	15	1.5
106-47-8	4-Chloroaniline	15	U	15	2.0
88-06-2	2,4,6-Trichlorophenol	7.5	U	7.5	1.7
95-95-4	2,4,5-Trichlorophenol	15	U	15	2.7
77-47-4	Hexachlorocyclopentadiene	30	U	30	8.3
91-57-6	2-Methylnaphthalene	0.75	U	0.75	0.23
88-74-4	2-Nitroaniline	7.5	U	7.5	2.1
91-58-7	2-Chloronaphthalene	3.0	U	3.0	0.33
59-50-7	4-Chloro-3-methylphenol	15	U	15	2.1
606-20-2	2,6-Dinitrotoluene	0.75	U	0.75	0.20
88-75-5	2-Nitrophenol	15	U	15	2.1
99-09-2	3-Nitroaniline	15	U	15	2.9
131-11-3	Dimethyl phthalate	3.0	U	3.0	1.1
51-28-5	2,4-Dinitrophenol	30	U	30	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-DRUM-07 | Lab Sample ID: 500-35461-11

Matrix: Water | Lab File ID: 35461-11.D

Analysis Method: 8270C | Date Collected: 06/13/2011 14:30

Extract. Method: 3510C | Date Extracted: 06/20/2011 08:15

Sample wt/vol: 100(mL) | Date Analyzed: 06/22/2011 01:02

Con. Extract Vol.: 15.0(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 117118 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	1.5	U	1.5	0.15
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	0.42
83-32-9	Acenaphthene	1.5	U	1.5	0.14
132-64-9	Dibenzofuran	3.0	U	3.0	0.42
100-02-7	4-Nitrophenol	30	U	30	5.6
86-73-7	Fluorene	1.5	U	1.5	0.18
100-01-6	4-Nitroaniline	15	U	15	3.0
101-55-3	4-Bromophenyl phenyl ether	7.5	U	7.5	2.1
118-74-1	Hexachlorobenzene	0.75	U	0.75	0.14
84-66-2	Diethyl phthalate	3.0	U	3.0	0.47
7005-72-3	4-Chlorophenyl phenyl ether	7.5	U	7.5	2.0
87-86-5	Pentachlorophenol	30	U * Q	30	4.8
86-30-6	N-Nitrosodiphenylamine	1.5	U	1.5	0.38
534-52-1	4,6-Dinitro-2-methylphenol	30	U	30	7.5
85-01-8	Phenanthrene	1.5	U	1.5	0.12
120-12-7	Anthracene	1.5	U	1.5	0.18
86-74-8	Carbazole	7.5	U	7.5	2.0
84-74-2	Di-n-butyl phthalate	7.5	U	7.5	1.8
206-44-0	Fluoranthene	1.5	U	1.5	0.15
129-00-0	Pyrene	1.5	U	1.5	0.14
85-68-7	Butyl benzyl phthalate	3.0	U	3.0	0.45
56-55-3	Benzo[a]anthracene	0.30	U	0.30	0.081
218-01-9	Chrysene	0.75	U	0.75	0.17
91-94-1	3,3'-Dichlorobenzidine	7.5	U	7.5	2.0
117-81-7	Bis(2-ethylhexyl) phthalate	15	U	15	1.8
117-84-0	Di-n-octyl phthalate	15	U	15	2.4
205-99-2	Benzo[b]fluoranthene	0.30	U	0.30	0.10
207-08-9	Benzo[k]fluoranthene	0.30	U * Q	0.30	0.14
50-32-8	Benzo[a]pyrene	0.30	U	0.30	0.068
193-39-5	Indeno[1,2,3-cd]pyrene	0.30	U	0.30	0.099
53-70-3	Dibenz(a,h)anthracene	0.45	U	0.45	0.18
191-24-2	Benzo[g,h,i]perylene	1.5	U	1.5	0.17

FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-DRUM-07 | Lab Sample ID: 500-35461-11

Matrix: Water | Lab File ID: 35461-11.D

Analysis Method: 8270C | Date Collected: 06/13/2011 14:30

Extract. Method: 3510C | Date Extracted: 06/20/2011 08:15

Sample wt/vol: 100(mL) | Date Analyzed: 06/22/2011 01:02

Con. Extract Vol.: 15.0(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup: (Y/N) N

Analysis Batch No.: 117118 | Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	0	D	20-100
4165-62-2	Phenol-d5	0	D	20-100
4165-60-0	Nitrobenzene-d5	0	D	39-110
321-60-8	2-Fluorobiphenyl	0	D	44-110
118-79-6	2,4,6-Tribromophenol	0	D	46-126
1718-51-0	Terphenyl-d14	0	D	52-131

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-DRUM-07 | Lab Sample ID: 500-35461-11

Matrix: Water (TCLP) | Lab File ID: 35461-11.D

Analysis Method: 8270C | Date Collected: 06/13/2011 14:30

Extract. Method: 3510C | Date Extracted: 06/20/2011 10:45

Sample wt/vol: 100(mL) | Date Analyzed: 06/21/2011 18:34

Con. Extract Vol.: 15.0(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup: (Y/N) N

Analysis Batch No.: 117119 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-48-7	2-Methyl-phenol	15	U	15	7.5
15831-10-4	3 & 4 Methylphenol	15	U	15	7.5
106-46-7	1,4-Dichlorobenzene	15	U	15	7.5
121-14-2	2,4-Dinitrotoluene	15	U	15	7.5
118-74-1	Hexachlorobenzene	15	U	15	7.5
87-68-3	Hexachloro-1,3-butadiene	15	U	15	7.5
67-72-1	Hexachloroethane	15	U	15	7.5
98-95-3	Nitrobenzene	15	U	15	7.5
87-86-5	Pentachlorophenol	75	U	75	38
110-86-1	Pyridine	30	U ^ Q	30	15
95-95-4	2,4,5-Trichlorophenol	75	U	75	38
88-06-2	2,4,6-Trichlorophenol	15	U	15	7.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	0	D	20-100
4165-62-2	Phenol-d5	0	D	20-100
4165-60-0	Nitrobenzene-d5	0	D	39-110
321-60-8	2-Fluorobiphenyl	0	D	44-110
118-79-6	2,4,6-Tribromophenol	0	D	46-126
1718-51-0	Terphenyl-d14	0	D	52-131

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-04 | Lab Sample ID: 500-35461-12

Matrix: Solid | Lab File ID: 35461-12.D

Analysis Method: 8270C | Date Collected: 06/13/2011 12:45

Extract. Method: 3541 | Date Extracted: 06/16/2011 17:34

Sample wt/vol: 5.8078(g) | Date Analyzed: 06/17/2011 20:03

Con. Extract Vol.: 0.5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 9.6 | GPC Cleanup: (Y/N) N

Analysis Batch No.: 116819 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	0.48	U	0.48	0.099
111-44-4	Bis(2-chloroethyl)ether	0.48	U	0.48	0.055
541-73-1	1,3-Dichlorobenzene	0.48	U	0.48	0.052
106-46-7	1,4-Dichlorobenzene	0.48	U	0.48	0.053
95-50-1	1,2-Dichlorobenzene	0.48	U	0.48	0.051
100-51-6	Benzyl alcohol	0.94	U	0.94	0.25
95-48-7	2-Methylphenol	0.48	U	0.48	0.071
15831-10-4	3 & 4 Methylphenol	0.48	U	0.48	0.095
108-60-1	bis (2-chloroisopropyl) ether	0.48	U	0.48	0.10
621-64-7	N-Nitrosodi-n-propylamine	0.48	U	0.48	0.066
67-72-1	Hexachloroethane	0.48	U	0.48	0.072
95-57-8	2-Chlorophenol	0.48	U	0.48	0.049
98-95-3	Nitrobenzene	0.094	U	0.094	0.023
111-91-1	Bis(2-chloroethoxy)methane	0.48	U	0.48	0.039
120-82-1	1,2,4-Trichlorobenzene	0.48	U	0.48	0.058
65-85-0	Benzoic acid	4.8	U ^ Q	4.8	0.91
78-59-1	Isophorone	0.48	U	0.48	0.21
105-67-9	2,4-Dimethylphenol	0.94	U	0.94	0.31
87-68-3	Hexachlorobutadiene	0.48	U	0.48	0.073
91-20-3	Naphthalene	0.094	U	0.094	0.017
120-83-2	2,4-Dichlorophenol	0.94	U	0.94	0.12
106-47-8	4-Chloroaniline	1.9	U	1.9	0.30
88-06-2	2,4,6-Trichlorophenol	0.94	U	0.94	0.20
95-95-4	2,4,5-Trichlorophenol	0.94	U	0.94	0.21
77-47-4	Hexachlorocyclopentadiene	1.9	U	1.9	0.94
91-57-6	2-Methylnaphthalene	0.48	U	0.48	0.037
88-74-4	2-Nitroaniline	0.48	U	0.48	0.055
91-58-7	2-Chloronaphthalene	0.48	U	0.48	0.038
59-50-7	4-Chloro-3-methylphenol	0.94	U	0.94	0.23
606-20-2	2,6-Dinitrotoluene	0.48	U	0.48	0.063
88-75-5	2-Nitrophenol	0.94	U	0.94	0.28
99-09-2	3-Nitroaniline	0.94	U	0.94	0.17
131-11-3	Dimethyl phthalate	0.48	U	0.48	0.042
51-28-5	2,4-Dinitrophenol	1.9	U	1.9	0.70

FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-04 | Lab Sample ID: 500-35461-12

Matrix: Solid | Lab File ID: 35461-12.D

Analysis Method: 8270C | Date Collected: 06/13/2011 12:45

Extract. Method: 3541 | Date Extracted: 06/16/2011 17:34

Sample wt/vol: 5.8078(g) | Date Analyzed: 06/17/2011 20:03

Con. Extract Vol.: 0.5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 9.6 | GPC Cleanup: (Y/N) N

Analysis Batch No.: 116819 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	0.094	U	0.094	0.015
121-14-2	2,4-Dinitrotoluene	0.48	U	0.48	0.098
83-32-9	Acenaphthene	0.094	U	0.094	0.020
132-64-9	Dibenzofuran	0.48	U	0.48	0.11
100-02-7	4-Nitrophenol	1.9	U	1.9	0.77
86-73-7	Fluorene	0.094	U	0.094	0.018
100-01-6	4-Nitroaniline	0.94	U	0.94	0.16
101-55-3	4-Bromophenyl phenyl ether	0.48	U	0.48	0.058
118-74-1	Hexachlorobenzene	0.19	U	0.19	0.018
84-66-2	Diethyl phthalate	0.48	U	0.48	0.10
7005-72-3	4-Chlorophenyl phenyl ether	0.48	U	0.48	0.10
87-86-5	Pentachlorophenol	1.9	U	1.9	0.31
86-30-6	N-Nitrosodiphenylamine	0.19	J	0.48	0.052
534-52-1	4,6-Dinitro-2-methylphenol	0.94	U	0.94	0.18
85-01-8	Phenanthrene	0.27		0.094	0.019
120-12-7	Anthracene	0.094	U	0.094	0.017
86-74-8	Carbazole	0.48	U	0.48	0.052
84-74-2	Di-n-butyl phthalate	0.48	U	0.48	0.053
206-44-0	Fluoranthene	0.15		0.094	0.018
129-00-0	Pyrene	0.31		0.094	0.033
85-68-7	Butyl benzyl phthalate	0.94		0.48	0.079
56-55-3	Benzo[a]anthracene	0.094	U	0.094	0.020
218-01-9	Chrysene	0.094	U	0.094	0.030
91-94-1	3,3'-Dichlorobenzidine	0.48	U	0.48	0.070
117-81-7	Bis(2-ethylhexyl) phthalate	2.0		0.48	0.052
117-84-0	Di-n-octyl phthalate	0.48	U	0.48	0.076
205-99-2	Benzo[b]fluoranthene	0.094	U	0.094	0.020
207-08-9	Benzo[k]fluoranthene	0.094	U	0.094	0.022
50-32-8	Benzo[a]pyrene	0.094	U	0.094	0.018
193-39-5	Indeno[1,2,3-cd]pyrene	0.094	U	0.094	0.024
53-70-3	Dibenz(a,h)anthracene	0.094	U	0.094	0.024
191-24-2	Benzo[g,h,i]perylene	0.094	U	0.094	0.023

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-04 | Lab Sample ID: 500-35461-12

Matrix: Solid | Lab File ID: 35461-12.D

Analysis Method: 8270C | Date Collected: 06/13/2011 12:45

Extract. Method: 3541 | Date Extracted: 06/16/2011 17:34

Sample wt/vol: 5.8078(g) | Date Analyzed: 06/17/2011 20:03

Con. Extract Vol.: 0.5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 9.6 | GPC Cleanup: (Y/N) N

Analysis Batch No.: 116819 | Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	63		30-110
4165-62-2	Phenol-d5	78		26-112
4165-60-0	Nitrobenzene-d5	66		22-110
321-60-8	2-Fluorobiphenyl	76		27-113
118-79-6	2,4,6-Tribromophenol	91		30-137
1718-51-0	Terphenyl-d14	103		33-129

JAS 7/19/11

FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-04 | Lab Sample ID: 500-35461-12

Matrix: Solid (TCLP) | Lab File ID: 35461-12.D

Analysis Method: 8270C | Date Collected: 06/13/2011 12:45

Extract. Method: 3510C | Date Extracted: 06/20/2011 10:45

Sample wt/vol: 100(mL) | Date Analyzed: 06/21/2011 18:58

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup: (Y/N) N

Analysis Batch No.: 117119 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-48-7	2-Methyl-phenol	0.10	U	0.10	0.050
15831-10-4	3 & 4 Methylphenol	0.10	U	0.10	0.050
106-46-7	1,4-Dichlorobenzene	0.10	U	0.10	0.050
121-14-2	2,4-Dinitrotoluene	0.10	U	0.10	0.050
118-74-1	Hexachlorobenzene	0.10	U	0.10	0.050
87-68-3	Hexachloro-1,3-butadiene	0.10	U	0.10	0.050
67-72-1	Hexachloroethane	0.10	U	0.10	0.050
98-95-3	Nitrobenzene	0.10	U	0.10	0.050
87-86-5	Pentachlorophenol	0.50	U	0.50	0.25
110-86-1	Pyridine	0.20	U ^ Q	0.20	0.10
95-95-4	2,4,5-Trichlorophenol	0.50	U	0.50	0.25
88-06-2	2,4,6-Trichlorophenol	0.10	U	0.10	0.050

CAS NO.	SURROGATE	%REC	Q	LIMITS
367-12-4	2-Fluorophenol	17	X Q	20-100
4165-62-2	Phenol-d5	26		20-100
4165-60-0	Nitrobenzene-d5	68		39-110
321-60-8	2-Fluorobiphenyl	76		44-110
118-79-6	2,4,6-Tribromophenol	100		46-126
1718-51-0	Terphenyl-d14	59		52-131

Method 8082

Polychlorinated Biphenyls (PCBs) by Gas Chromatography by Method 8082

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-02 Lab Sample ID: 500-35461-3

Matrix: Solid Lab File ID: 061311_094.D

Analysis Method: 8082 Date Collected: 06/13/2011 12:20

Extraction Method: 3541 Date Extracted: 06/16/2011 19:05

Sample wt/vol: 15.8526(g) Date Analyzed: 06/17/2011 13:10

Con. Extract Vol.: 25.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.53(mm)

% Moisture: 34.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 116793 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.12	U	0.12	0.029
11104-28-2	PCB-1221	0.12	U	0.12	0.045
11141-16-5	PCB-1232	0.12	U	0.12	0.042
53469-21-9	PCB-1242	0.12	U	0.12	0.037
12672-29-6	PCB-1248	0.12	U	0.12	0.041
11097-69-1	PCB-1254	0.12	U	0.12	0.037
11096-82-5	PCB-1260	0.12	U	0.12	0.039

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	175	p X	28-124
2051-24-3	DCB Decachlorobiphenyl	172	p X	38-130

FORM I 8082

7/19/11

FORM I

PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago Job No.: 500-35461-1

SDG No.:

Client Sample ID: RP-SOLID-03 Lab Sample ID: 500-35461-4

Matrix: Solid Lab File ID: 061311_095.D

Analysis Method: 8082 Date Collected: 06/13/2011 12:30

Extraction Method: 3541 Date Extracted: 06/16/2011 19:05

Sample wt/vol: 15.6477(g) Date Analyzed: 06/17/2011 13:24

Con. Extract Vol.: 25.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.53(mm)

% Moisture: 6.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 116793 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.085	U	0.085	0.020
11104-28-2	PCB-1221	0.085	U	0.085	0.032
11141-16-5	PCB-1232	0.085	U	0.085	0.030
53469-21-9	PCB-1242	0.085	U	0.085	0.026
12672-29-6	PCB-1248	0.085	U	0.085	0.029
11097-69-1	PCB-1254	0.085	U	0.085	0.027
11096-82-5	PCB-1260	0.085	U	0.085	0.028

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	81	p	28-124
2051-24-3	DCB Decachlorobiphenyl	101	p	38-130

7/19/11

METALS

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RP-SOLID-01 Lab Sample ID: 500-35461-2

Lab Name: TestAmerica Chicago Job No.: 500-35461-1

SDG ID.:

Matrix: Solid Date Sampled: 06/13/2011 12:10

Reporting Basis: DRY Date Received: 06/15/2011 17:15

% Solids: 92.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	12	0.93	0.13	mg/Kg			1	6010B
7440-39-3	Barium	48	0.93	0.052	mg/Kg			1	6010B
7440-43-9	Cadmium	0.25	0.19	0.025	mg/Kg			1	6010B
7440-47-3	Chromium	11	0.93	0.079	mg/Kg		B	1	6010B
7440-50-8	Copper	29	0.93	0.13	mg/Kg			1	6010B
7439-92-1	Lead	43	0.46	0.22	mg/Kg			1	6010B
7782-49-2	Selenium	0.49	0.93	0.26	mg/Kg	J		1	6010B
7440-22-4	Silver	0.46	0.46	0.058	mg/Kg	U		1	6010B
7440-66-6	Zinc	50	1.9	0.15	mg/Kg			1	6010B
7439-97-6	Mercury	0.078	0.017	0.0017	mg/Kg			1	7471A

JBS 7/19/11

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: RP-SOLID-01 Lab Sample ID: 500-35461-2

Lab Name: TestAmerica Chicago Job No.: 500-35461-1

SDG ID.:

Matrix: Solid Date Sampled: 06/13/2011 12:10

Reporting Basis: WET Date Received: 06/15/2011 17:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.050	0.050	0.010	mg/L	U		1	6010B
7440-39-3	Barium	0.25	0.50	0.010	mg/L	J		1	6010B
7440-43-9	Cadmium	0.0050	0.0050	0.0020	mg/L	U		1	6010B
7440-47-3	Chromium	0.025	0.025	0.010	mg/L	U		1	6010B
7440-50-8	Copper	0.011	0.025	0.010	mg/L	J	B	1	6010B
7439-92-1	Lead	0.0081	0.050	0.0050	mg/L	J		1	6010B
7782-49-2	Selenium	0.050	0.050	0.010	mg/L	U		1	6010B
7440-22-4	Silver	0.025	0.025	0.0050	mg/L	U		1	6010B
7440-66-6	Zinc	0.17	0.10	0.020	mg/L			1	6010B
7439-97-6	Mercury	0.0020	0.0020	0.00020	mg/L	U		1	7470A

JAS 7/19/11

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RP-SOLID-02 Lab Sample ID: 500-35461-3

Lab Name: TestAmerica Chicago Job No.: 500-35461-1

SDG ID.:

Matrix: Solid Date Sampled: 06/13/2011 12:20

Reporting Basis: DRY Date Received: 06/15/2011 17:15

% Solids: 65.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	9.9	1.4	0.19	mg/Kg			1	6010B
7440-39-3	Barium	360	1.4	0.076	mg/Kg			1	6010B
7440-43-9	Cadmium	1.4	0.27	0.037	mg/Kg			1	6010B
7440-47-3	Chromium	27	1.4	0.12	mg/Kg		B	1	6010B
7440-50-8	Copper	250	1.4	0.19	mg/Kg			1	6010B
7439-92-1	Lead	390	0.68	0.33	mg/Kg			1	6010B
7782-49-2	Selenium	1.4	1.4	0.38	mg/Kg	U		1	6010B
7440-22-4	Silver	0.33	0.68	0.086	mg/Kg	J		1	6010B
7440-66-6	Zinc	460	2.7	0.22	mg/Kg			1	6010B
7439-97-6	Mercury	0.036	0.024	0.0024	mg/Kg			1	7471A

JAS 7/19/11

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: RP-SOLID-02 | Lab Sample ID: 500-35461-3

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG ID.:

Matrix: Solid | Date Sampled: 06/13/2011 12:20

Reporting Basis: WET | Date Received: 06/15/2011 17:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.018	0.050	0.010	mg/L	J		1	6010B
7440-39-3	Barium	0.12	0.50	0.010	mg/L	J		1	6010B
7440-43-9	Cadmium	0.0050	0.0050	0.0020	mg/L	U		1	6010B
7440-47-3	Chromium	0.025	0.025	0.010	mg/L	U		1	6010B
7440-50-8	Copper	0.070	0.025	0.010	mg/L		B	1	6010B
7439-92-1	Lead	0.11	0.050	0.0050	mg/L			1	6010B
7782-49-2	Selenium	0.050	0.050	0.010	mg/L	U		1	6010B
7440-22-4	Silver	0.025	0.025	0.0050	mg/L	U		1	6010B
7440-66-6	Zinc	0.60	0.10	0.020	mg/L			1	6010B
7439-97-6	Mercury	0.0020	0.0020	0.00020	mg/L	U		1	7470A

JAS 7/19/11

INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RP-SOLID-03 | Lab Sample ID: 500-35461-4

Lab Name: TestAmerica Chicago | Job No.: 500-35461-1

SDG ID.:

Matrix: Solid | Date Sampled: 06/13/2011 12:30

Reporting Basis: DRY | Date Received: 06/15/2011 17:15

% Solids: 93.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	9.6	0.98	0.14	mg/Kg			1	6010B
7440-39-3	Barium	200	0.98	0.055	mg/Kg			1	6010B
7440-43-9	Cadmium	2.2	0.20	0.026	mg/Kg			1	6010B
7440-47-3	Chromium	32	0.98	0.083	mg/Kg		B	1	6010B
7440-50-8	Copper	280	0.98	0.14	mg/Kg			1	6010B
7439-92-1	Lead	1600	0.49	0.23	mg/Kg			1	6010B
7782-49-2	Selenium	0.52	0.98	0.27	mg/Kg	J		1	6010B
7440-22-4	Silver	0.43	0.49	0.062	mg/Kg	J		1	6010B
7440-66-6	Zinc	260	2.0	0.16	mg/Kg			1	6010B
7439-97-6	Mercury	0.053	0.016	0.0017	mg/Kg			1	7471A

JAS 7/19/11

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: RP-SOLID-03 Lab Sample ID: 500-35461-4

Lab Name: TestAmerica Chicago Job No.: 500-35461-1

SDG ID.:

Matrix: Solid Date Sampled: 06/13/2011 12:30

Reporting Basis: WET Date Received: 06/15/2011 17:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.050	0.050	0.010	mg/L	U		1	6010B
7440-39-3	Barium	0.075	0.50	0.010	mg/L	J		1	6010B
7440-43-9	Cadmium	0.0028	0.0050	0.0020	mg/L	J		1	6010B
7440-47-3	Chromium	0.025	0.025	0.010	mg/L	U		1	6010B
7440-50-8	Copper	0.14	0.025	0.010	mg/L		B	1	6010B
7439-92-1	Lead	0.32	0.050	0.0050	mg/L			1	6010B
7782-49-2	Selenium	0.050	0.050	0.010	mg/L	U		1	6010B
7440-22-4	Silver	0.025	0.025	0.0050	mg/L	U		1	6010B
7440-66-6	Zinc	0.77	0.10	0.020	mg/L			1	6010B
7439-97-6	Mercury	0.0020	0.0020	0.00020	mg/L	U		1	7470A

JAS 7/19/11

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RP-SOLID-04 Lab Sample ID: 500-35461-12

Lab Name: TestAmerica Chicago Job No.: 500-35461-1

SDG ID.:

Matrix: Solid Date Sampled: 06/13/2011 12:45

Reporting Basis: DRY Date Received: 06/15/2011 17:15

% Solids: 90.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.48	1.1	0.15	mg/Kg	J		1	6010B
7440-39-3	Barium	36	1.1	0.061	mg/Kg			1	6010B
7440-43-9	Cadmium	0.21	0.22	0.029	mg/Kg	J		1	6010B
7440-47-3	Chromium	15	1.1	0.092	mg/Kg		B	1	6010B
7440-50-8	Copper	82	1.1	0.15	mg/Kg			1	6010B
7439-92-1	Lead	15	0.54	0.26	mg/Kg			1	6010B
7782-49-2	Selenium	0.39	1.1	0.30	mg/Kg	J		1	6010B
7440-22-4	Silver	0.13	0.54	0.068	mg/Kg	J		1	6010B
7440-66-6	Zinc	65	2.2	0.17	mg/Kg			1	6010B
7439-97-6	Mercury	0.11	0.018	0.0018	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: RP-SOLID-04 Lab Sample ID: 500-35461-12

Lab Name: TestAmerica Chicago Job No.: 500-35461-1

SDG ID.:

Matrix: Solid Date Sampled: 06/13/2011 12:45

Reporting Basis: WET Date Received: 06/15/2011 17:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.050	0.050	0.010	mg/L	U		1	6010B
7440-39-3	Barium	0.50	0.50	0.010	mg/L			1	6010B
7440-43-9	Cadmium	0.0055	0.0050	0.0020	mg/L			1	6010B
7440-47-3	Chromium	0.052	0.025	0.010	mg/L			1	6010B
7440-50-8	Copper	0.71	0.025	0.010	mg/L			1	6010B
7439-92-1	Lead	0.040	0.050	0.0050	mg/L	J		1	6010B
7782-49-2	Selenium	0.050	0.050	0.010	mg/L	U		1	6010B
7440-22-4	Silver	0.025	0.025	0.0050	mg/L	U		1	6010B
7440-66-6	Zinc	1.0	0.10	0.020	mg/L			1	6010B
7439-97-6	Mercury	0.0020	0.0020	0.00020	mg/L	U		1	7470A

GENERAL CHEMISTRY

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RP-DRUM-01 Lab Sample ID: 500-35461-5

Lab Name: TestAmerica Chicago Job No.: 500-35461-1

SDG ID.:

Matrix: Water Date Sampled: 06/13/2011 13:30

Reporting Basis: WET Date Received: 06/15/2011 17:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH	13.7	0.200	0.200	SU		HF	1	9040B

JAS 7/19/11

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RP-DRUM-02 Lab Sample ID: 500-35461-6

Lab Name: TestAmerica Chicago Job No.: 500-35461-1

SDG ID.:

Matrix: Water Date Sampled: 06/13/2011 13:45

Reporting Basis: WET Date Received: 06/15/2011 17:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Flashpoint	>176	40	40	Degrees F			1	1010
	pH	11.0	0.200	0.200	SU		HF	1	9040B

DAS 7/19/11

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RP-DRUM-03 Lab Sample ID: 500-35461-7

Lab Name: TestAmerica Chicago Job No.: 500-35461-1

SDG ID.:

Matrix: Water Date Sampled: 06/13/2011 13:50

Reporting Basis: WET Date Received: 06/15/2011 17:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH	12.3	0.200	0.200	SU		HF	1	9040B

JAS 7/19/11

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RP-DRUM-04 Lab Sample ID: 500-35461-8

Lab Name: TestAmerica Chicago Job No.: 500-35461-1

SDG ID.:

Matrix: Water Date Sampled: 06/13/2011 13:55

Reporting Basis: WET Date Received: 06/15/2011 17:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Flashpoint	>176	40	40	Degrees F			1	1010
	pH	8.46	0.200	0.200	SU		HF	1	9040B

JAS 7/19/11

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RP-DRUM-05 Lab Sample ID: 500-35461-9

Lab Name: TestAmerica Chicago Job No.: 500-35461-1

SDG ID.:

Matrix: Water Date Sampled: 06/13/2011 14:00

Reporting Basis: WET Date Received: 06/15/2011 17:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Flashpoint	140	40	40	Degrees F			1	1010
	pH	11.8	0.200	0.200	SU		HF	1	9040B

JAS 7/19/11

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RP-DRUM-06 Lab Sample ID: 500-35461-10

Lab Name: TestAmerica Chicago Job No.: 500-35461-1

SDG ID.:

Matrix: Water Date Sampled: 06/13/2011 15:00

Reporting Basis: WET Date Received: 06/15/2011 17:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH	0.200	0.200	0.200	SU	U	HF	1	9040B

JAS 6/14/11

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RP-DRUM-07 Lab Sample ID: 500-35461-11

Lab Name: TestAmerica Chicago Job No.: 500-35461-1

SDG ID.:

Matrix: Water Date Sampled: 06/13/2011 14:30

Reporting Basis: WET Date Received: 06/15/2011 17:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	pH	12.6	0.200	0.200	SU		HF	1	9040B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RP-DRUM-07 Lab Sample ID: 500-35461-11

Lab Name: TestAmerica Chicago Job No.: 500-35461-2

SDG ID.:

Matrix: Water Date Sampled: 06/13/2011 14:30

Reporting Basis: WET Date Received: 06/15/2011 17:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Flashpoint	140	40	40	Degrees F			1	1010

EMLab P&K
1936 Olney Avenue, Cherry Hill, NJ 08003
(866) 871-1984 Fax (856) 489-4085 www.emlab.com

Client: TestAmerica-University Park, IL
C/O: Marilyn Krueding
Re: 50005626; Rockford Paperboard

Date of Sampling: 06-13-2011
Date of Receipt: 06-17-2011
Date of Report: 06-21-2011

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Total Samples Submitted:	1
Total Samples Analysed:	1
Total Samples with Layer Asbestos Content > 1%:	0

Location: RP-AS-01, (500-35461-1)

Lab ID-Version‡: 3524674-1

Sample Layers	Asbestos Content
Multicolored Semi-Fibrous Material	ND
Composite Non-Asbestos Fibrous Content:	10% Cellulose
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

ATTACHMENT

CHAIN-OF-CUSTODY

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact:
Company:
Address:
Address:
Phone:
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-35461
Chain of Custody Number:
Page _____ of _____
Temperature °C of Cooler:

Client: OTTE
Client Project #:
Project Name: ROCKFORD PAPERBOARD
Project Location/State: ROCKFORD, MI
Lab Project #:
Sampler: Naren Babu/EW
Lab PM: Marilyn Kneading

Preservative
Parameter

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	AS begtos	Total & TCLP VOCs	Total & TCLP SVOCs	Total & TCLP MI 10 Metals	PCBs	pH	Flashpoint			Comments
1		RP-AS-01	6/13/11	1200	1	MS	X				MB					
2		RP-SOLID-01		1210	2	S		X	X	X						Soil
3		RP-SOLID-02		1220	2	S		X	X	X	X					
4		RP-SOLID-03		1230	2	S		X	X	X	X					
5		RP-DRUM-01		1330	1	MS						X				(2) Product/waste
6		RP-DRUM-02		1345	1							X	X			
7		RP-DRUM-03		1350	1							X				
8		RP-DRUM-04		1355	1							X	X			
9		RP-DRUM-05		1400	3			X				X	X			
10		RP-DRUM-06		1500	1							X				possible Hydrochloric acid

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days (X) 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
[ ] Return to Client [ ] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Naren Babu	OTE	06-15-11		Jodie Krocken	TA	06/15/11	1715
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
Shipped
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SI – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments: Handle with care. Dilution may be needed for product samples.

Lab Comments:

06/28/2011

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)	Bill To (optional)
Contact:	Contact:
Company:	Company:
Address:	Address:
Address:	Address:
Phone:	Phone:
Fax:	Fax:
E-Mail:	PO#/Reference#

Chain of Custody Record

Lab Job #: 500 - 35461

Chain of Custody Number:

Page ____ of ____

Temperature °C of Cooler:

Client: OTIE

Client Project #:

Project Name: ROCKFORD PAPERBOARD

Project Location/State: ROCKFORD, MI

Lab Project #:

Sampler: NB/EW

Lab PM: Marilyn Kinneding

Preservative Key: 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Total & TCLP VOCs	Total & TCLP SVOCs	pH						Comments
11		RP-DRUM-07	6/13/11	1430	1	MS	X	X	X						Product Sample
12		RP-SOLID-04	6/13/11	1245											*added in login
															* See added COC emailed by client

Turnaround Time Required (Business Days)
__ 1 Day __ 2 Days (X) 5 Days __ 7 Days __ 10 Days __ 15 Days ____ Other
Requested Due Date ________

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Naren Baban	OTIE	06-15-11		Cody Brackm	TA	06/15/11	1715

Lab Courier:
Shipped:
Hand Delivered:

Matrix Key: WW – Wastewater; W – Water; S - Soil; SL – Sludge; MS – Miscellaneous; OL – Oil; A – Air; SE – Sediment; SO – Soil; L – Leachate; WI – Wipe; DW – Drinking Water; O – Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)		Bill To (optional)	
Contact:	Naren Bdm	Contact:	
Company:		Company:	
Address:		Address:	
Address:		Address:	
Phone:		Phone:	
Fax:		Fax:	
E-Mail:		PO#/Reference#	

Chain of Custody Re

Lab Job #: 500-35461

Chain of Custody Number:

Page ___ of ___

Temperature °C of Cooler:

Client: OTIE

Client Project #:

Project Name: ROCKFORD PAPERBOARD

Project Location/State: ROCKFORD, MI

Lab Project #:

Sampler: MB

Lab PM:

Preservative:

Parameter: Total & TCLP VOCs | Total & TCLP SVOCs | Total & TCLP Metals

Preservative Key: 1. HCL, Cool t; 2. H2SO4, Co; 3. HNO3, Coo; 4. NaOH, Coo; 5. NaOH/Zn; 6. NaHSO4; 7. Cool to 4°; 8. None; 9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Total & TCLP VOCs	Total & TCLP SVOCs	Total & TCLP Metals						Comments
12		RP-SOLID-04	6/13/11	1245	2		X	X	X						

Turnaround Time Required (Business Days)

__ 1 Day __ 2 Days X 5 Days __ 7 Days __ 10 Days __ 15 Days ____ Other

Requested Due Date ________

Sample Disposal: [ ] Return to Client [ ] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
SD	OTIE	6/15/11					

Lab Courier: | Shipped: | Hand Delivered:

Matrix Key: WW – Wastewater; W – Water; S – Soil; SL – Sludge; MS – Miscellaneous; OL – Oil; A – Air; SE – Sediment; SO – Soil; L – Leachate; WI – Wipe; DW – Drinking Water; O – Other

Client Comments:

Lab Comments: Emailed to lab from client 06/16/11 MGK

TAL-4